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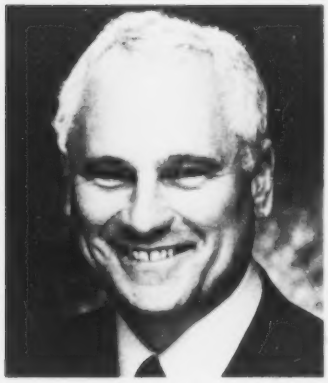
1989 - 1990 OREGON AGRICULTURE & FISHERIES STATISTICS



Oregon producers did it again. They surpassed their efforts of 1988 and racked up another record year. A record in terms of the value of agricultural and fishery production, a record amount of cash receipts received for farm products, and a record in the value of exports of processed Oregon products. Most of Oregon's agricultural exports went to Pacific Rim countries such as Japan and Taiwan – proof that Oregon producers realize the importance of international markets.

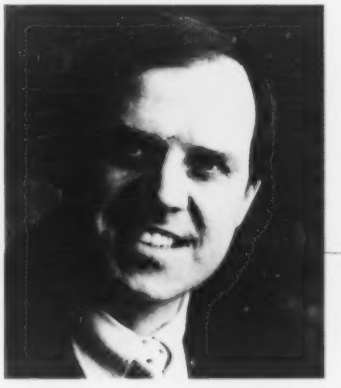
Those accomplishments were helped along by an aggressive marketing program that included major trade missions to the Soviet Union, Japan, Taiwan, South Korea and Canada; a state-funded farmers' market coupon program for low-income families; and special promotions of Oregon products funded through lottery dollars.

Take a long look at these statistics. You'll find they paint a picture of a thriving agricultural industry. Clearly, 1989 was another banner year for Oregon producers.

Sincerely,

Neil Goldschmidt

Neil Goldschmidt
Governor



Just when we thought the value of Oregon's agricultural and fishery production had topped out at record levels, it reached a new high of almost $2.8 billion in 1989, six percent more than 1988.

This year's statistics show that Oregon's No. 1 commodity, cattle and calves, went down slightly in value from 1988, but the No. 2 commodity, greenhouse and nursery products, rose 10 percent. Hay jumped 21 percent in value to take the No. 3 spot from wheat, and farm forest products shot up 50 percent to move from sixth to fourth place, making wheat the fifth-ranked commodity.

Although commercial fishermen set an overall harvest record in 1989, the value of Oregon's commercial fishing industry dropped 20 percent, to $77 million, due to sharply lower salmon landings and prices.

On the positive side, the average Oregon farm's debt-to-asset ratio dropped slightly, and farmland values rose 11 percent to an average $602 per acre, the first significant increase in six years.

Sincerely,

Bruce Andrews

Bruce Andrews
Director, Oregon Department of Agriculture

1989-1990
OREGON AGRICULTURE & FISHERIES STATISTICS

Compiled By

United States Department of Agriculture
Oregon Agricultural Statistics Service

Paul M. Williamson, *State Statistician*

Ronald F. Kriesel, *Deputy State Statistician*

Published Cooperatively By

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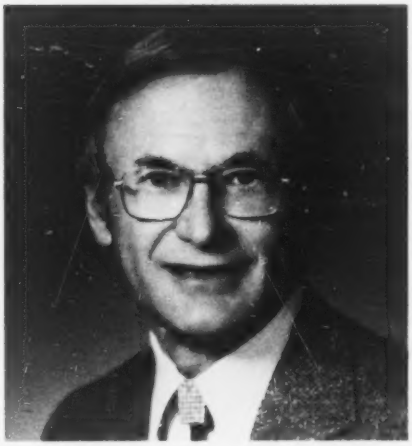
FOREWORD

November 1990



Oregon agriculture continues to expand and is a major cornerstone in the State's economy. Because of its wide diversity, Oregon agriculture provides a strong and steady base for the entire economy.

The annual Oregon Agriculture & Fisheries Statistics Bulletin provides a comprehensive summary of the state's agriculture - both current and historic. In today's rapidly changing world, facts are essential for making decisions. This bulletin provides a collection of basic information that is used by producers, agribusiness people and farm organizations to make production and marketing plans.

The bulletin is prepared and published through a special cooperative agreement between the Oregon Department of Agriculture and the Oregon Agricultural Statistics Service. The foundation of this crop and livestock reporting system are the thousands of Oregon producers who voluntarily provide the basic data - and to them we extend a special "thank you". We also wish to thank the Oregon State University Extension Service and their county agents for supplying some of the county and special data.

Sincerely,

Paul M. Williamson

Paul M. Williamson
State Statistician

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The cover photo of hops is by Dalton Hobbs, seafood marketing manager with the Oregon Department of Agriculture.

OREGON AGRICULTURE AND FISHERIES—INTERNATIONAL FOCUS

OREGON CROP PRODUCTION SUMMARY, 1989, METRIC UNITS

Crop	Hectares Harvested	Yield per Hectare	Production	Price Per Metric Ton	Total Value
	Hectares	Metric Tons	Metric Tons	U.S. Dollars	U.S. Dollars
FIELD CROPS					
Barley	72,870	3.61	262,700	103	27,135,000
Beans, Dry Edible	3,750	2.51	9,400	545	5,126,000
Corn, Grain	8,910	10.02	89,300	110	9,856,000
Corn, Silage	10,930	53.90	589,100	—	—
Hay, Alfalfa	161,940	9.66	1,563,600	—	—
Hay, All Other	263,160	4.04	1,063,600	—	—
Hops	3,000	1.80	5,400	3,470	18,737,000
Oats	28,340	3.51	99,600	100	9,947,000
Peas, Aust. Winter	610	1.31	800	225	180,000
Peppermint	18,830	0.07	1,400	30,937	43,312,000
Potatoes, All	20,240	52.35	1,059,500	128	135,742,000
Rye	1,210	1.57	1,900	73	139,000
Spearmint	610	0.08	50	31,500	1,575,000
Sugarbeets	6,150	57.80	355,500	—	—
Wheat, All	372,470	3.93	1,462,900	147	215,340,000
Spring	42,510	3.15	134,100	147	19,740,000
Winter	329,960	4.03	1,328,800	147	195,600,000
SEED CROPS					
Alfalfa seed	4,050	0.62	2,500	2,304	5,759,000
Bentgrass seed	5,700	0.47	2,700	5,798	15,655,000
Bluegrass seed	12,490	0.78	9,700	1,388	13,461,000
Clover seed, Crimson	2,990	0.80	2,400	1,220	2,929,000
Clover seed, Red	9,810	0.45	4,400	1,815	7,987,000
Fescue seed, Chewings	6,790	0.80	5,400	1,464	7,906,000
Fescue seed, Red	4,510	0.75	3,400	1,353	4,601,000
Fescue seed, Tall	34,410	1.07	36,900	1,165	42,981,000
Orchardgrass seed	9,060	0.94	8,500	1,079	9,175,000
Ryegrass seed, Annual	45,340	2.06	93,200	466	43,422,000
Ryegrass seed, Perennial	42,910	1.28	55,100	1,071	59,018,000
Sugarbeet seed	1,460	3.08	4,500	1,054	4,744,000
Vegetable/flower seed	3,230	—	—	—	12,089,000
FRUITS AND NUTS					
Apples	4,450	16.31	72,600	109	7,947,000
Blackberries	1,700	6.18	10,500	833	8,748,000
Blueberries	550	9.27	5,100	1,511	7,708,000
Boysenberries	360	3.89	1,400	1,129	1,581,000
Cherries, Sweet	4,900	9.47	46,400	603	28,002,000
Cherries, Tart	810	8.40	6,800	331	2,252,000
Cranberries	570	14.74	8,400	892	7,489,000
Hazelnuts	10,970	1.06	11,600	902	10,458,000
Grapes	1,380	4.93	6,800	811	5,513,000
Loganberries	80	3.75	300	980	294,000
Peaches	650	8.77	5,700	543	3,093,000
Pears, Bartlett	2,230	27.31	60,900	289	17,600,000
Pears, Other	4,290	31.35	134,500	261	35,090,000
Prunes & Plums	—	—	8,200	196	1,609,000
Raspberries, Black	570	2.11	1,200	889	1,067,000
Raspberries, Red	1,620	6.98	11,300	1,248	14,106,000
Strawberries	2,510	11.75	29,500	835	24,621,000
VEGETABLES					
Asparagus	580	3.45	2,000	965	1,929,000
Beans, Snap	10,400	15.21	158,200	194	30,622,000
Broccoli	1,260	10.24	12,900	489	6,303,000
Carrots	530	63.96	33,900	203	6,884,000
Cauliflower	1,210	20.25	24,500	344	8,437,000
Corn, Sweet	19,390	18.47	358,200	104	37,423,000
Cucumbers	970	27.53	26,700	180	4,813,000
Onions	5,380	56.56	304,300	220	67,052,000
Peas, Green	13,810	3.16	43,700	242	10,578,000

LIVESTOCK AND FISHERY PRODUCTION SUMMARY, 1989, METRIC UNITS[1]

Commodity	Number Marketed	Production	Price Per Metric Ton	Total Dollar Value
		Metric Tons	U.S. Dollars	U.S. Dollars
LIVESTOCK				
Cattle & Calves, All	625,000	233,600	1,420	330,838,000
Cattle	442,000	—	1,370	—
Calves	183,000	—	1,890	—
Hogs & Pigs	170,000	18,200	970	17,606,000
Honey	—	1,100	1,250	1,376,000
Milk Cows on Farms	95,000[2]	—	—	—
Milk per Cow	—	7.20	—	—
Milk Produced	—	684,400	300	205,228,000
Mink (pelts)	255,000	—	34.57 /pelt	8,816,000
Sheep & Lambs, All	328,000	14,500	1,290	18,736,000
Sheep	37,000	—	430	—
Lambs	291,000	—	1,430	—
Wool	—	1,300	2,142	2,784,000
POULTRY				
Broilers	20,000,000	41,700	770	32,200,000
Eggs (dozen)	56,500,000	—	0.76 /dz.	42,714,000
Turkeys	2,100,000	19,600	990	19,440,000
DAIRY PRODUCTS				
Butter	—	7,000	—	—
Cheese	—	15,800	—	—
Cottage Cheese	—	12,400	—	—
Ice Cream (liters)	—	31,041,400 (l)	—	—
Ice Milk (liters)	—	15,830,600 (l)	—	—
FISH PRODUCTS				
Crab	—	5,300	2,560	13,574,000
Groundfish	—	37,200	710	26,496,000
Oysters (liters)	—	151,200 (l)	7.01 /(l)	1,060,133
Salmon	—	5,300	2,690	14,269,000
Shrimp	—	22,300	810	18,099,000
Tuna	—	500	1,790	894,000
Other Fish	—	4,500	900	4,046,000
Fish Hatcheries	—	—	—	4,095,314
Fish Farms	—	—	—	1,408,000

[1] Rounded to nearest 100 tons and nearest 10 dollars per metric ton.
[2] Number of milk cows on Oregon farms.

OREGON AGRICULTURAL EXPORTS VALUE, FISCAL YEARS 1987-1989[1]

Commodity	Fiscal Year Ending September 30			
	1987	1988	1989	1989 as Percent of Total
	Million U.S. Dollars			Percent
Wheat & Products	143.4	153.4	271.0	53.0
Vegetables & Vegetable Preparations	45.6	53.9	69.3	13.5
Seeds	49.7	55.5	67.0	13.1
Fruits & Fruit Preparations	46.8	52.7	56.3	11.0
Feed and Fodders	6.2	6.7	8.2	1.6
Tree Nuts	8.5	11.6	7.1	1.4
Live Animals and Red Meat	4.3	4.1	4.7	0.9
Dairy Products	4.3	8.8	4.3	0.8
Hides & Skins	4.0	2.7	2.6	0.5
Fats, Oils and Greases	1.1	0.9	0.8	0.2
Other*	9.2	10.1	20.2	4.0
Total	323.1	360.4	511.5	100.0

[1] State agricultural export estimates are based on the assumption that if a state contributes a certain percentage of U.S. production for each commodity, it receives the same percentage in export revenues.
*Fish and products are not included and are only available on a Northwest Port basis from the U.S. Department of Commerce.
Source: U.S. Department of Agriculture, Economic Research Service, Foreign Agricultural Trade of the United States, Fiscal Year 1989.

CONVERTING U.S. CUSTOMARY UNITS TO INTERNATIONAL METRIC UNITS

Commodity	Multiply by	Divide by	To Obtain
Barley, bushels		45.9	Metric Tons
Corn, bushels		39.4	Metric Tons
Cranberries, barrels		22.0	Metric Tons
Oats, bushels		68.9	Metric Tons
Rye, bushels		39.4	Metric Tons
Sorghum, bushels		39.4	Metric Tons
Wheat, bushels		36.8	Metric Tons
	DOMESTIC UNITS		
Acres		2.47	Hectares
Yield per Acre	2.47		Yield per Hectare
Fahrenheit, Degrees	(F-32) x 5/9		Degrees Celcius
Gallons	3.78		Liters
Inches	2.54		Centimeters
Pounds		2,205	Metric Tons
Hundredweight		22	Metric Tons
Tons (2,000 lbs.)		1.1	Metric Tons

Oregon Agriculture and Fisheries 1989

Oregon's 1989 agricultural and fishery value of production increased nearly 6 percent over 1988, reaching a value of nearly $2.8 billion (p.7). Of the total, all agricultural farm production accounted for nearly $2.7 billion or 97 percent of the total. Fishery production accounted for almost $84 million in value, down a sharp 20 percent from 1988.

Many Oregon commodities rank very high in the national picture, with 29 commodities ranking fifth or better in production or value of production (p.5). Oregon ranked first in production of grass seed, hazelnuts, peppermint and caneberry crops. Second ranked nationally were hops, sweet cherries, onions and snap beans for processing. Third place rankings were production of strawberries, pears, and cauliflower. The state ranked in the top ten as a producer of fall potatoes, cranberries, prunes and plums, tart cherries, broccoli, sweet corn for processing, spearmint, grapes for wine, green peas for processing, the value of potted florist azaleas, mink pelts produced, apples, carrots, barley, cucumbers for processing, sheep and lambs and wool production.

Production value highlights (p.7) show that the top 20 commodities produced over 81 percent of the total value for 1989. Cattle and calves remain in the lead at $331 million, down one percent from 1988. Second was greenhouse and nursery products at $279 million, up 10 percent over 1988. Rounding out the top five were all hay—$246 million, forest products—$235 million and all wheat—$215 million. These five accounted for over 47 percent of Oregon's agriculture and fishery production value. The top fishery product was groundfish landings valued at $26 million, ranking it 20th and showing a 7 percent value increase over 1988. The all crops value accounted for 62 percent of the total state's value, followed by livestock and poultry products—26 percent, farm forest products—almost 9 percent and fishery products—3 percent.

Cash receipts for agricultural farm products sold in 1989 moved up to $2.3 billion (excludes farm forest products), an increase of 5 percent over 1988 and the highest Oregon cash receipts on record (p.8).

At the beginning of 1989 the average Oregon farm/ranch had assets worth $277,327 and debts of $64,632, or a debt to asset ratio of 23.3 percent, slightly better than a year earlier and the lowest since 1983 (p.9). This was the second decline in the ratio after eight consecutive years of increases. In 1979 the ratio was 17.2 percent.

Off-farm income (income earned by farm operators from non-farm sources) declined very slightly to $29,200 per farm compared with the revised $29,707 per farm for 1988 (p.4).

The number of farms and ranches moved down by 500 units for a total of 36,500 for 1990 (p.10). Those units accounted for 17,800,000 acres, the same as for 1989, and size per farm averaged 488 acres per unit.

The value per acre of farms and ranches in Oregon increased to $602 (p.10) for 1990. This was the first increase (11 percent) after five years of decline or stability in land values. The recent high value was $719 (revised) per acre in 1984.

GROSS AND NET INCOME FROM FARMING, OREGON: 1985-1989

Item	1985	1986	1987	1988	1989
			Million Dollars		
Cash Receipts from Farm Marketings	1,772.8	1,836.2	1,944.8	2,183.8	2,289.9
Government Payments	71.4	127.6	127.4	97.8	60.4
Farm Related Income[1]	101.0	118.5	139.6	188.9	272.0
Non-Money Income[2]	143.3	121.1	133.5	132.6	129.9
Value of Inventory Adjustments	-3.2	-52.5	-17.8	-26.7	1.1
Gross Farm Income Total	2,085.3	2,150.9	2,327.5	2,576.4	2,753.3
Production Expenses Total	1,672.7	1,608.4	1,661.3	1,709.5	1,872.6
Net Total Farm Income	412.6	542.5	666.2	866.9	880.7
			Dollars		
Net Farm Income Per Farm	11,151	14,662	18,005	23,751	23,803
Net Business Income Per Farm[3]	9,646	14,784	17,265	23,255	22,573
Off-Farm Income Per Farm[4]	26,986	27,024	28,522	29,707	29,200
			Percent		
Returns to Operators/Total Assets[5]	3.11	4.67	6.27	8.29	8.35

[1] Includes machine hire/custom work, recreational income, farm forest product sales and other farm business-related income.
[2] Includes value of home consumption and rental value of operator's hired laborers' dwellings.
[3] Net business income includes only cash transactions including depreciation and accidental damage and excludes household accounts. Measures cash available to farms for payment of asset purchases, loan retirement and operator cash income.
[4] Includes off-farm income for members of farm operators' households only.
[5] This ratio can be interpreted as the percentage return on the operator's capital investment. Source: ERS, USDA, State Financial Summary.

OREGON'S RANK IN THE NATION'S AGRICULTURE - 1989

Commodity	Rank Among States	Production	Unit	Metric Tons	Percent of U.S.
FIELD CROPS					
Peppermint	1	3,116,000	Lb.	1,413	46.8
Hops	2	11,859,000	Lb.	5,378	20.0
Potatoes, Fall	4	23,308,000	Cwt.	1,059,455	6.3
Spearmint	5	105,000	Lb.	48	5.7
Barley	9	12,060,000	Bu.	262,745	3.0
Sugarbeets	11	391,000	Ton	355,455	1.5
Oats	13	6,860,000	Bu.	99,565	1.8
All Wheat	15	53,835,000	Bu.	1,462,908	2.6
Hay, All	22	2,890,000	Ton	2,627,273	2.0
SEED CROPS					
Ryegrass Seed	1	326,982,000	Lb.	148,291	N/A
Fescue Seed	1	100,878,000	Lb.	45,750	N/A
Orchardgrass Seed	1	18,767,000	Lb.	8,511	N/A
Kentucky Bluegrass Seed	1	21,395,000	Lb.	9,703	N/A
BERRIES					
Blackberries	1	23,200,000	Lb.	10,522	N/A
Boysen & Youngberries	1	3,100,000	Lb.	1,406	N/A
Loganberries	1	650,000	Lb.	295	N/A
Raspberries, Black	1	2,700,000	Lb.	1,224	N/A
Raspberries, Red	1	25,000,000	Lb.	11,338	N/A
Strawberries	3	65,100,000	Lb.	29,524	5.9
Cranberries	4	184,000	Bbls.	8,364	4.9
FRUIT AND NUTS					
Hazelnuts	1	12,800	Ton	11,636	98.5
Sweet Cherries	2	51,000	Ton	46,364	26.6
Pears, All	3	215,000	Ton	195,455	23.5
Prunes & Plums	4	9,000	Ton	8,182	0.9
Tart Cherries	4	15,000,000	Lb.	6,803	6.2
Grapes for Wine	5	7,450	Ton	6,773	0.1
Apples, All	8	160,000,000	Lb.	72,562	1.6
Peaches	11	12,500,000	Lb.	5,669	0.6
VEGETABLES					
Onions, All	2	6,710,000	Cwt.	305,000	14.0
Snap Beans, Processing	2	173,990	Ton	158,173	20.0
Cauliflower, All	3	540,000	Cwt.	24,545	6.9
Broccoli, All	4	285,000	Cwt.	12,955	2.1
Sweet Corn, Processing	4	394,940	Ton	359,036	13.4
Green Peas, Processing	5	48,080	Ton	43,709	9.5
Carrots, All	8	748,000	Cwt.	34,000	2.4
Cucumbers, Processing	9	29,350	Ton	26,682	4.6
FLORICULTURE					
Potted Florist Azaleas	5	4,269,000	Dollars	N/A	9.7
Total Potted Flowering Plants	11	11,564,000	Dollars	N/A	2.2
Total Bedding/Garden Plants	17	17,971,000	Dollars	N/A	2.1
LIVESTOCK					
Mink Pelts Produced	5	255,000	Pelts	N/A	5.5
Sheep and Lambs[1]	10	455,000	Head	N/A	4.0
Wool Production	10	2,930,000	Lb.	1,329	3.3
Milk Production	23	1,509,000,000	Lb.	684,354	1.0
All Cattle and Calves [1]	26	1,400,000	Head	N/A	1.4
Eggs Produced	28	678,000,000	Egg	N/A	1.0
Hogs and Pigs[2]	32	90,000	Head	N/A	0.2
Trout[3]	N/A	741,000	Lb.	336	1.2

[1] Jan. 1, 1990 Inventory.
[2] Dec. 1, 1989 Inventory.
[3] Sept. 1, 1988 - Aug. 31, 1989.

GROSS FARM AND RANCH SALES: By County, 1989[1]

County	All Crops	All Animal Products	Total Sales
	1,000 Dollars		
Baker	9,392	32,735	42,127
Benton	61,518	7,989	69,507
Clackamas	145,076	46,544	191,620
Clatsop	7,547	7,462	15,009
Columbia	27,546	6,169	33,715
Coos	20,390	16,337	36,727
Crook	14,101	17,553	31,654
Curry	6,520	4,053	10,573
Deschutes	6,994	30,674	37,668
Douglas	31,627	20,489	52,116
Gilliam	10,424	4,779	15,203
Grant	4,881	14,373	19,254
Harney	7,160	29,513	36,673
Hood River	49,621	1,640	51,261
Jackson	32,598	16,861	49,459
Jefferson	41,708	6,377	48,085
Josephine	7,042	11,091	18,133
Klamath	49,351	51,155	100,506
Lake	11,578	30,174	41,752
Lane	77,500	28,799	106,299
Lincoln	9,914	1,783	11,697
Linn	114,076	30,251	144,327
Malheur	95,916	57,566	153,482
Marion	242,112	60,825	302,937
Morrow	75,279	34,938	110,217
Multnomah	49,580	1,763	51,343
Polk	59,246	14,986	74,232
Sherman	19,227	3,559	22,786
Tillamook	4,153	60,674	64,827
Umatilla	130,234	36,490	166,724
Union	27,102	9,881	36,983
Wallowa	14,115	16,863	30,978
Wasco	32,427	6,140	38,567
Washington	131,075	18,499	149,574
Wheeler	1,977	4,989	6,966
Yamhill	80,562	37,103	117,665
State Total	1,709,569	781,077	2,490,646

[1] Preliminary.
Source: Extension Economic Information Office, Oregon State University.

GOVERNMENT GRAIN PROGRAM PAYMENTS TO OREGON FARMERS AND RANCHERS: 1985-1989[1]

Commodity	1985	1986	1987	1988	1989
	Million Dollars				
Wheat	61.3	94.3	70.0	64.4	19.8
Feed Grains (Barley, Oats, Corn)	3.0	6.2	13.0	10.4	3.3
Total	64.3	100.5	83.0	74.8	23.1

[1] Includes both deficiency and diversion payments. 1984-85 are program year totals. 1986-88 are calendar year totals.

VALUE OF AGRICULTURE AND FISHERY PRODUCTION: By Commodities, 1987-1989[1]

Commodity	Rank 1989	Year of Production			1989 as Percent of all Commodities
		1987	1988	1989	
		1,000 Dollars			Percent
ALL COMMODITIES		2,254,610	2,608,516	2,763,321	100.0
ALL FARM PRODUCTION (excludes Fishery)		2,150,988	2,503,051	2,679,367	97.0
All Crops		1,405,386	1,660,151	1,716,920	62.1
Field Crops		557,688	687,738	742,984	26.9
Greenhouse, Nursery & Christmas Trees		265,734	310,858	336,023	12.2
Seed Crops		202,593	250,281	234,505	8.5
Vegetable Crops		187,310	198,337	227,223	8.2
Fruit/Nut Crops		192,061	212,937	176,185	6.4
All Livestock and Poultry Products		634,376	686,367	727,724	26.3
Forest Products, Farm		111,226	156,533	234,723	8.5
FISHERY PRODUCTS		103,622	105,465	83,954	3.0
Cattle and Calves	1	288,987	335,090	330,838	12.0
Greenhouse & Nursery Products	2	211,952	253,629	279,006	10.1
Hay, All	3	191,624	201,552	245,650	8.9
Forest Products, Farm	4	111,226	156,533	234,723	8.5
Wheat, All	5	151,351	221,186	215,340	7.8
Milk, All	6	187,287	186,852	205,228	7.4
Potatoes, All	7	89,953	99,638	135,742	4.9
Ryegrass Seed	8	81,671	100,837	102,440	3.7
Onions, All	9	61,277	59,934	67,052	2.4
Christmas Trees	10	53,782	57,229	57,017	2.1
Fescue Seed	11	41,430	63,647	55,488	2.0
Pears, All	12	43,868	60,709	52,690	1.9
Mint	13	31,939	49,266	44,887	1.6
Eggs	14	24,988	26,737	42,714	1.5
Sweet Corn	15	27,100	31,382	37,423	1.4
Broilers	16	24,534	27,403	32,200	1.2
Snap Beans, Processing	17	20,993	21,787	30,622	1.1
Cherries, All	18	37,588	39,600	30,254	1.1
Barley	19	27,020	36,852	27,135	1.0
Groundfish landings, All	20	25,204	24,689	26,497	1.0
Strawberries	21	31,520	31,423	24,621	0.9
Mushrooms	22	17,071	19,748	19,926	0.7
Turkeys	23	12,526	13,932	19,440	0.7
Hops	24	15,664	18,081	18,737	0.7
Sheep & Lambs	25	25,417	19,671	18,736	0.7
Shrimp Landings, All	26	30,508	17,346	18,099	0.7
Hogs	27	24,793	19,730	17,606	0.6
Bentgrass Seed	28	7,942	10,992	15,655	0.6
Raspberries	29	13,172	11,766	15,173	0.5
Sugarbeets	30	15,445	15,303	15,092	0.5
Salmon Landings, All	31	27,022	39,073	14,269	0.5
Crab Landings, All	32	8,357	11,285	13,574	0.5
Bluegrass Seed	33	21,128	21,122	13,461	0.5
Clover Seed, All	34	7,497	10,299	10,916	0.4
Green Peas, Processing	35	8,724	7,188	10,578	0.4
Hazelnuts	36	20,554	13,904	10,458	0.4
Corn for Grain	37	8,712	9,126	10,032	0.4
Oats	38	8,216	14,170	9,947	0.4
Orchardgrass Seed	39	12,576	12,423	9,175	0.3
Mink	40	9,405	10,810	8,816	0.3
Blackberries	41	10,629	10,498	8,748	0.3
Cauliflower	42	7,314	7,796	8,437	0.3
Apples	43	11,145	18,370	7,947	0.3
Blueberries	44	5,599	7,707	7,708	0.3
Cranberries	45	6,376	6,915	7,489	0.3
Carrots	46	3,449	5,373	6,884	0.2
Aquaculture, All	47	8,891	7,617	6,575	0.2
Broccoli	48	6,134	6,023	6,303	0.2
Alfalfa Seed	49	6,043	7,649	5,759	0.2
Grapes	50	4,559	4,728	5,513	0.2
Cucumbers	51	3,603	4,712	4,813	0.2
Peaches	52	3,847	3,657	3,093	0.1
Wool	53	2,042	3,034	2,784	0.1
Plums & Prunes	54	2,211	2,526	1,609	0.1
Honey	55	1,201	1,560	1,376	*
Tuna, Albacore Landings	56	1,675	3,327	894	*
Other Livestock and Poultry		33,196	41,548	47,986	1.7
Other Vegetable Crops		31,645	34,394	35,185	1.3
Other Seed Crops		24,306	23,312	21,611	0.8
Other Field & Fruit Crops		18,757	23,698	21,304	0.8
Other Fish Landings		1,965	2,128	4,046	0.1

[1] Data for calendar year. * Less than .1%.

CASH RECEIPTS FROM FARM MARKETINGS: By Commodities, 1987-1989

Commodity	Year of Production			1989 as % of All Commodities
	1987	1988	1989	
		1,000 Dollars		Percent
ALL COMMODITIES, excludng Fishery[1]	1,944,836	2,183,834	2,289,888	100.0
All Crops	1,283,550	1,510,752	1,550,818	67.7
Field Crops	415,308	510,591	557,439	24.3
Greenhouse, Nursery & Christmas Trees	265,734	310,858	336,023	14.7
Seed Crops	193,790	250,217	234,505	10.2
Vegetable Crops	207,902	230,870	223,172	9.7
Fruit/Nut Crops	200,816	208,216	199,679	8.7
All Livestock & Poultry Products	661,286	673,082	739,070	32.3
Cattle & Calves	320,702	328,020	344,161	15.0
Greenhouse and Nursery Products	211,952	253,629	279,006	12.2
Forest Products, Farm[2]	111,226	156,533	234,723	N/A
Wheat, All	128,414	197,642	231,467	10.1
Milk, All	183,213	181,880	200,063	8.7
Ryegrass Seed, All	72,425	100,837	102,440	4.5
Hay, All	78,795	88,236	94,612	4.1
Potatoes, All	89,850	72,707	90,372	3.9
Pears, All	47,718	53,471	65,291	2.9
Onions, All	80,103	93,057	63,192	2.8
Christmas Trees	53,782	57,229	57,017	2.5
Fescue Seed, All	42,278	63,647	55,488	2.4
Mint	31,939	49,266	44,887	2.0
Eggs	24,988	26,737	42,714	1.9
Sweet Corn	27,100	31,382	37,383	1.6
Broilers	24,534	27,403	32,200	1.4
Cherries, All	37,588	39,600	30,927	1.4
Snap Beans, Processing	20,993	21,787	30,622	1.3
Barley	24,972	30,316	25,322	1.1
Strawberries	31,520	31,423	24,621	1.1
Sheep & Lambs	24,528	18,895	22,089	1.0
Mushrooms	18,837	19,158	19,800	0.9
Turkeys	12,526	13,932	19,440	0.8
Hops	15,664	18,081	18,737	0.8
Hogs	24,951	19,263	17,441	0.8
Sugarbeets	14,432	15,303	15,914	0.7
Bentgrass Seed	7,731	10,992	15,655	0.7
Raspberries, All	13,172	11,766	15,173	0.7
Apples	12,542	18,087	14,904	0.7
Bluegrass Seed	19,728	21,122	13,461	0.6
Clover Seed, All	8,037	10,235	10,916	0.5
Hazelnuts	20,554	13,904	10,842	0.5
Blackberries	13,849	13,298	10,623	0.5
Green Peas, Processing	8,724	7,188	10,578	0.5
Orchardgrass Seed	13,964	12,423	9,175	0.4
Mink	9,405	10,810	8,816	0.4
Oats	7,548	9,769	8,705	0.4
Cauliflower	7,314	7,796	8,437	0.4
Cranberries	6,376	6,915	8,351	0.4
Blueberries	5,599	7,707	7,701	0.3
Corn For Grain	5,948	6,730	7,017	0.3
Carrots	3,449	5,373	6,884	0.3
Broccoli	6,134	6,023	6,303	0.3
Alfalfa Seed	5,321	7,649	5,759	0.3
Grapes	4,559	4,728	5,662	0.2
Cucumbers	3,603	4,712	4,813	0.2
Peaches	3,847	3,657	3,093	0.1
Wool	2,042	3,034	2,784	0.1
Plums & Prunes	2,499	2,526	1,609	0.1
Honey	1,201	1,560	1,376	0.1
Other Livestock and Poultry	33,196	41,548	47,986	2.1
Other Vegetable Crops	31,645	34,394	35,160	1.5
Other Seed Crops	24,306	23,312	21,611	0.9
Other Field & Fruit Crops	18,739	23,675	21,288	0.9

[1] Excludes Farm Forest Products which are part of Farm Related Income, p.2.
[2] Excludes Christmas trees.

FARM PRODUCTION EXPENSES: 1985-1989

Item	1985	1986	1987	1988	1989
	Million Dollars				
Current Farm Operating Expenses:					
Feed	173.9	175.9	164.4	183.9	206.7
Livestock	45.4	38.7	61.7	54.3	63.8
Seed	34.0	35.3	36.7	36.8	42.0
Fertilizer & Lime	103.3	95.0	91.2	95.7	106.7
Pesticides	65.3	67.8	73.5	72.4	93.2
Fuel & Oil	76.2	63.4	59.7	59.4	64.2
Electricity	28.7	27.7	33.6	34.8	32.8
Repair & Maintenance	92.4	92.9	98.2	97.7	112.4
Hired Labor	199.2	200.7	219.3	227.0	240.5
Non-Real Estate Interest	92.5	83.8	79.3	79.8	83.0
Miscellaneous	215.0	214.8	232.9	242.5	272.9
Total Current Farm Operating Expenses	1,125.9	1,096.0	1,150.5	1,184.3	1,318.2
Depreciation & Consumption of Farm Capital	227.3	202.6	187.0	192.4	204.1
Taxes on Farm Property	60.7	59.7	73.0	74.4	85.3
Interest on Farm Mortgage Debt	192.7	178.1	178.1	166.9	169.2
Net Rent to Non-Farm Landlords	66.2	72.1	72.8	91.4	95.7
Total Farm Production Expenses	1,672.7	1,608.4	1,661.3	1,709.5	1,872.6

Source: USDA, ERS, State Financial Summary, 1989.

FARM BALANCE SHEET (Excluding Farm Households), December 31, 1984-1988[1]

Item	1984	1985	1986	1987	1988
	Million Dollars				
ASSETS					
Total Farm Assets	12,169.2	11,036.8	10,257.9	10,158.8	10,261.1
Real Estate	9,307.6	8,382.7	7,680.0	7,469.3	7,438.0
Livestock & Poultry[2]	718.6	657.0	633.7	788.6	864.3
Machinery & Motor Vehicles	1,367.9	1,260.5	1,176.8	1,099.6	1,103.8
Crops	278.1	222.0	225.0	255.7	286.4
Financial Assets	497.0	514.7	542.4	545.7	568.6
DEBTS					
Total Farm Debt	3,014.1	2,747.4	2,672.6	2,404.5	2,391.4
Real Estate Debt	2,008.1	1,872.7	1,931.2	1,713.4	1,684.4
Non Real Estate Debt	1,006.0	874.7	741.4	691.1	707.0
EQUITY	9,155.1	8,289.4	7,585.3	7,754.2	7,869.7
RATIOS					
Debt/Equity	32.9	33.1	35.2	31.0	30.4
Debt/Assets	24.8	24.9	26.1	23.7	23.3

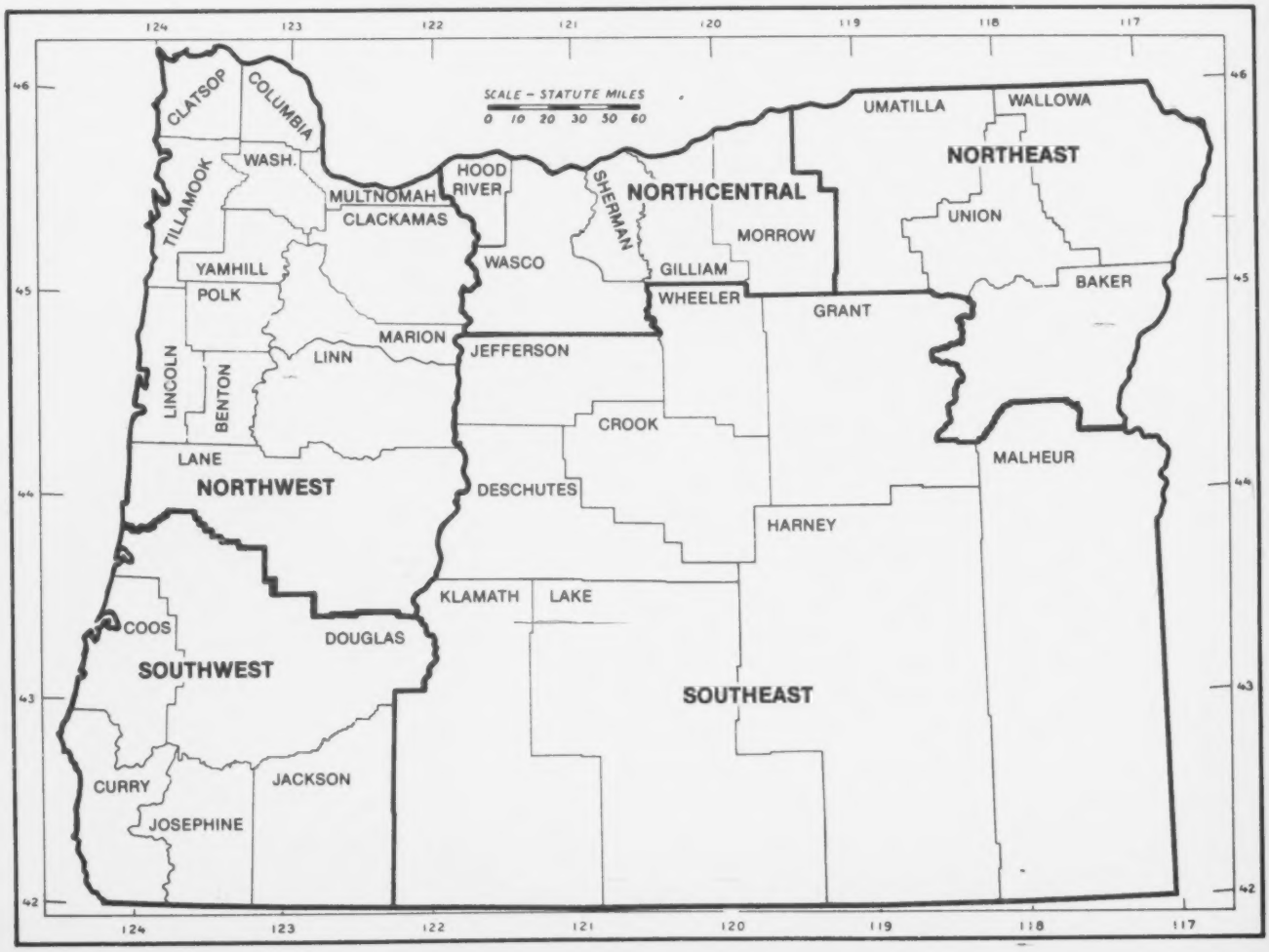
[1] Data are for farms with sales of $1,000 or more annually. Includes only items for farm purposes.
[2] Excludes horses, mules, and broilers.
Source: USDA, ERS, State Financial Summary, 1988.

NUMBER OF FARMS AND LAND IN FARMS: 1973-1990 [1]

Year	Oregon				United States			
	Number of Farms	Land In Farms	Average Size of Farm	Value per Acre[3]	Number of Farms	Land In Farms	Average Size of Farm	Value per Acre[3]
	1,000	1,000 Acres	Acres	Dollars	1,000	1,000 Acres	Acres	Dollars
1973	34.0	19,700	579	205	2,823	1,087,923	385	246
1974	34.0	19,600	576	234	2,796	1,084,433	388	302
1975	30.0	18,600	620	250	2,521	1,059,420	420	340
1976	30.0	18,500	617	294	2,497	1,054,075	422	397
1977	30.0	18,400	613	342	2,456	1,047,785	427	474
1978	32.0	18,300	572	414	2,436	1,044,790	429	531
1979	34.0	18,200	535	504	2,432	1,042,015	428	628
1980	35.0	18,100	517	587	2,433	1,038,885	427	737
1981	36.5	18,100	496	668	2,434	1,034,190	425	819
1982	37.0	18,000	486	705	2,401	1,027,795	428	823
1983	37.5	18,000	480	705	2,370	1,024,195	432	788
1984	37.0	18,000	486	719	2,328	1,019,378	438	801
1985	37.0	18,000	486	615	2,275	1,014,383	446	713
1986	37.0	17,900	484	570	2,212	1,007,643	456	640
1987	37.0	17,900	484	541	2,213	998,923	451	599
1988	36.5	17,800	488	542	2,197	994,543	453	632
1989	37.0	17,800	481	542	2,171	991,153	457	667
1990[2]	36.5	17,800	488	602	2,143	987,721	461	693

[1] 1972-74 a farm is defined as any place of 10 or more acres that had annual sales of $50 or more of agricultural products, or any place less than 10 acres that had annual sales of $250 or more. 1975-1989 a farm is defined as a place that sells or would normally sell $1,000 worth of agricultural products.
[2] Preliminary. [3] Farm Real Estate Market Developments—Outlook and Situation Report, ERS, USDA.

Crop Reporting Districts (CRD): Oregon



PRICES RECEIVED BY FARMERS: Specified Products, 1986-1989[1]

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Crop Yr. or Season Average*
	ALL WHEAT (Dollars Per Bushel)												
1986	3.46	3.52	3.58	3.46	3.53	3.07	2.62	2.40	2.43	2.49	2.54	2.60	2.59
1987	2.71	2.78	2.80	2.82	2.81	2.91	2.57	2.54	2.68	2.80	2.66	2.79	2.86
1988	2.89	2.90	2.84	3.06	3.11	3.61	3.74	3.93	3.99	4.16	4.23	4.50	4.27
1989	4.67	4.63	4.54	4.47	4.40	4.23	4.16	4.17	4.19	4.25	4.18	4.24	4.00
	APPLES - FRESH (Cents Per Pound)												
1986	14.6	15.4	15.3	15.7	20.4	—	—	15.5	14.1	11.2	10.6	10.0	12.5
1987	12.3	13.8	13.0	14.3	17.6	—	—	15.5	14.5	7.7	5.2	5.0	7.7
1988	5.5	6.4	5.9	4.4	6.2	—	—	—	22.2	14.6	13.3	12.8	14.9
1989	14.1	14.1	12.5	10.3	9.1	—	—	—	11.5	10.7	8.3	8.5	6.0
	POTATOES (Dollars Per Cwt.)												
1986	3.45	3.35	3.85	3.75	3.75	3.30	4.10	4.75	4.25	4.10	4.15	4.20	4.20
1987	3.90	3.90	4.10	4.35	4.50	4.45	4.45	3.80	3.45	3.55	3.30	3.25	3.45
1988	3.50	3.60	3.60	3.50	3.20	2.90	3.35	4.05	4.20	3.85	4.70	4.65	4.80
1989	5.90	5.30	5.50	5.50	5.35	4.95	5.85	6.15	4.55	4.15	5.00	5.00	5.85
	ALL HAY, BALED (Dollars Per Ton)												
1986	79.00	81.00	75.00	77.00	77.00	74.00	72.00	71.00	69.00	66.00	67.00	67.00	65.00
1987	62.00	60.00	55.00	52.00	54.00	63.00	63.00	69.00	71.00	74.00	73.00	69.00	68.00
1988	68.00	60.00	59.00	59.00	67.00	70.00	75.00	74.00	73.00	78.00	80.00	84.00	76.00
1989	81.00	80.00	84.00	87.00	—	84.00	80.00	80.00	82.00	85.00	83.00	85.00	85.00
	ALFALFA HAY, BALED (Dollars Per Ton)												
1986	95.00	95.00	93.00	92.00	92.00	83.00	79.00	82.00	79.00	77.00	74.00	76.00	N/A
1987	70.00	65.00	61.00	59.00	60.00	70.00	70.00	75.00	75.00	80.00	77.00	79.00	N/A
1988	75.00	68.00	65.00	65.00	75.00	79.00	82.00	85.00	87.00	91.00	91.00	91.00	N/A
1989	92.00	94.00	100.00	103.00	—	100.00	96.00	96.00	98.00	98.00	99.00	102.00	N/A
	BARLEY (Dollars Per Bushel)												
1986	2.12	2.01	1.90	1.87	2.10	1.84	1.61	1.48	1.60	1.74	1.74	1.75	1.70
1987	1.85	1.90	1.87	1.89	1.97	1.89	1.84	1.81	1.88	1.92	1.98	1.94	1.93
1988	2.04	2.00	1.79	1.71	1.89	2.45	2.50	2.52	2.42	2.43	2.43	2.50	2.49
1989	2.56	2.40	2.58	2.52	2.55	2.48	2.29	2.24	2.10	2.20	2.23	2.45	2.25
	OATS (Dollars Per Bushel)												
1986	1.39	1.34	1.32	1.32	1.22	1.09	1.02	1.02	1.09	1.26	1.52	1.62	1.35
1987	1.63	1.58	1.50	1.44	1.45	1.50	1.36	1.43	1.50	1.66	1.71	1.68	1.58
1988	1.61	1.59	1.54	1.58	1.49	1.69	2.25	2.27	2.27	2.27	2.09	2.03	2.18
1989	2.18	2.17	2.04	2.02	1.86	1.70	1.61	1.55	1.51	1.54	1.49	1.43	1.45
	BEEF CATTLE (Dollars Per Cwt.)												
1986	43.40	45.80	46.50	41.70	39.90	40.90	44.90	49.10	45.10	47.20	48.40	47.20	45.50
1987	54.20	55.40	59.40	56.50	54.00	56.40	54.80	62.80	60.70	56.20	56.90	60.10	57.80
1988	61.10	67.50	68.00	63.20	62.70	57.30	62.30	67.20	62.90	64.20	61.30	66.00	64.00
1989	66.00	64.30	65.50	66.90	58.60	56.90	62.20	63.10	61.10	62.40	59.20	59.50	62.00
	LAMBS (Dollars Per Cwt.)												
1986	61.80	61.20	61.30	64.80	63.50	68.80	68.90	63.90	62.50	63.80	66.20	70.40	65.90
1987	73.70	75.00	73.70	77.00	79.40	81.70	78.50	73.90	71.70	69.10	68.00	69.90	75.80
1988	74.00	79.50	75.80	71.10	66.00	60.50	58.50	55.60	58.10	62.40	64.50	64.80	62.30
1989	63.90	67.00	67.00	68.00	67.40	67.10	63.90	62.20	64.60	62.90	61.70	61.30	64.80
	MILK, SOLD TO PLANTS, ALL (Dollars Per Cwt.)												
1986	12.60	12.40	12.20	12.10	12.00	11.90	12.00	12.20	12.60	12.90	13.20	13.20	12.40
1987	13.20	12.90	12.50	12.20	11.90	12.00	12.10	12.20	12.50	12.60	12.70	12.60	12.40
1988	12.50	12.20	11.90	11.60	11.40	11.30	11.40	11.70	12.20	12.70	13.20	13.40	12.10
1989	13.40	13.10	12.50	12.20	12.00	12.10	12.40	12.90	13.60	14.40	15.20	15.70	13.30
	MILK, SOLD TO PLANTS, ALL: Fat Test (Percent)												
1986	3.90	3.84	3.80	3.74	3.71	3.63	3.65	3.68	3.77	3.83	3.88	3.89	3.76
1987	3.87	3.81	3.78	3.71	3.61	3.62	3.63	3.68	3.72	3.81	3.85	3.90	3.74
1988	3.91	3.87	3.82	3.77	3.70	3.66	3.65	3.66	3.74	3.78	3.86	3.88	3.77
1989	3.87	3.86	3.80	3.70	3.62	3.59	3.60	3.66	3.68	3.74	3.80	3.81	3.72

[1] Prices for season average revised.
*Crop year begins with month to right of heavy line.

PRICES PAID BY FARMERS: Specified Products, Mid-Month, 1986-1989

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	CHICK STARTER (Dollars Per Ton)											
1986	195	195	*	184	—	—	185	—	—	197	—	—
1987	176	—	—	164	—	—	221	—	—	172	—	—
1988	184	—	—	183	—	—	255	—	—	232	—	—
1989	219	—	—	222	—	—	217	—	—	217	—	—
	BROILER GROWER (Dollars Per Ton)											
1986	200	190	*	184	—	—	194	—	—	184	—	—
1987	181	—	—	193	—	—	221	—	—	171	—	—
1988	179	—	—	174	—	—	234	—	—	225	—	—
1989	224	—	—	238	—	—	230	—	—	233	—	—
	LAYING FEED (Dollars Per Ton)											
1986	180	183	*	163	—	—	170	—	—	159	—	—
1987	155	—	—	167	—	—	180	—	—	153	—	—
1988	151	—	—	155	—	—	227	—	—	203	—	—
1989	195	—	—	200	—	—	185	—	—	174	—	—
	TURKEY GROWER (Dollars Per Ton)											
1986	176	178	*	205	—	—	220	—	—	205	—	—
1987	200	—	—	200	—	—	203	—	—	203	—	—
1988	221	—	—	201	—	—	256	—	—	267	—	—
1989	236	—	—	241	—	—	228	—	—	235	—	—
	DAIRY FEED - 16% PROTEIN (Dollars Per Ton)											
1986	166	160	*	157	—	—	155	—	—	144	—	—
1987	147	—	—	142	—	—	149	—	—	146	—	—
1988	152	—	—	153	—	—	188	—	—	192	—	—
1989	187	—	—	182	—	—	172	—	—	171	—	—
	SOYBEAN MEAL - 44% PROTEIN (Dollars Per Cwt.)											
1986	15.00	15.50	*	16.40	—	—	15.10	—	—	17.00	—	—
1987	16.90	—	—	16.50	—	—	17.20	—	—	16.70	—	—
1988	18.50	—	—	19.00	—	—	21.50	—	—	21.40	—	—
1989	20.80	—	—	20.70	—	—	23.00	—	—	21.80	—	—
	COTTONSEED MEAL - 41% PROTEIN (Dollars Per Cwt.)											
1986	14.00	14.00	*	13.10	—	—	13.30	—	—	13.70	—	—
1987	13.90	—	—	13.90	—	—	14.30	—	—	15.00	—	—
1988	15.30	—	—	15.50	—	—	17.30	—	—	16.70	—	—
1989	17.10	—	—	18.10	—	—	16.90	—	—	17.40	—	—
	GASOLINE, UNLEADED, SERVICE STATION (Dollars Per Gallon)											
1986	1.20	1.15	*	.996	—	—	.945	—	—	.890	—	—
1987	.86	—	—	.90	—	—	.97	—	—	1.02	—	—
1988	.95	—	—	.95	—	—	.98	—	—	.96	—	—
1989	.91	—	—	1.06	—	—	1.12	—	—	1.06	—	—
	GASOLINE, REGULAR, BULK DELIVERY (Dollars Per Gallon)											
1986	1.12	1.11	*	.888	—	—	.866	—	—	.800	—	—
1987	.81	—	—	.89	—	—	.90	—	—	.96	—	—
1988	.89	—	—	.90	—	—	.94	—	—	.93	—	—
1989	.87	—	—	1.06	—	—	1.09	—	—	1.04	—	—
	DIESEL FUEL (Dollars Per Gallon)											
1986	.95	.88	*	.634	—	—	.544	—	—	.590	—	—
1987	.64	—	—	.60	—	—	.69	—	—	.81	—	—
1988	.72	—	—	.74	—	—	.73	—	—	.68	—	—
1989	.66	—	—	.88	—	—	.74	—	—	.87	—	—

* State estimates discontinued as of March 1. Pacific Region estimates quarterly thereafter.

1989 Climatological Review

January

Temperatures were below normal for the month as extremely cold conditions prevailed during the first and last weeks. Rainfall was mostly below average for the month with increasing amounts late in the month for western areas. Pasture conditions declined over the month in western areas caused by unusually cold temperatures and increased rainfall. Snowfall by the end of the month doubled the snowpack in northeastern areas and improved water supply prospects. The cold temperatures lowered lambing and calving rates.

February

Bitter cold temperatures continued to prevail across the state for most of the month averaging more than 10 degrees below normal. Fieldwork was completely stopped. In the Willamette Valley, freezing temperatures and ice damaged berry, nursery, and fruit crops. Precipitation was mostly light with the heaviest along the coast. End of month termperatures were slightly below normal as winter wheat fields were recovering from the cold spell. Hay supplies continued to be tight in eastern areas with the snow cover.

March

Cold air from the north lowered temperatures and brought snow early in the month. Over wintering vegetables suffered some freeze damage in the west. Calving and lambing losses were greater than normal. Rainfall increased by mid-month, and along with nearly normal temperatures, allowed some wheat replanting and other field activities. Fruit tree buds began to swell by month's end, while precipitation increased to well above normal. Overgrazing of pastures in western areas and short hay supplies in eastern areas continued.

April

Cool, rainy weather hindered crop development and fieldwork during the early part of the first week. Temperatures then rose to well above normal and it continued very warm till the last week of the month. Precipitation was near average for the month. Limited hay supplies caused early movement of some cattle to summer pasture in eastern areas.

May

Cool, wet weather early and again late in the month slowed crop development and hindered field activities. Temperatures rose to above normal mid-month allowing alfalfa and Red clover to be cut for silage. Vegetable seeding was slowed by rains.

June

Temperatures were slightly above normal with precipitation mostly in eastern areas the first week of June. Temperatures for the month were slightly above normal. Rainfall increased the last week, but for the month averaged only about two-thirds of the long term average. Rains improved south central range and pastures during the month. Some fruit crops were hail damaged and above normal temperature's mid-month further stressed orchards, lowering fruit quality. A large cherry harvest began mid-month with major splitting from rains in the central Willamette Valley.

July

Temperatures and precipitation were nearly normal during the month with precipitation heaviest the first half of the month. Hail the second week caused damage to some grain and onion seed crops in the east. Cool weather during the first half of the month helped berries in the Willamette Valley. The number of range fires in the east increased with the drying weather conditions late in the month.

August

The month remained warm with temperatures generally above normal in the west and below normal in the east. Precipitation was heaviest in the western and south central areas and for the state averaged nearly double the long term average. Thunderstorms near the southern border caused property and crop damage during the second week of the month. Rainfall improved range and pastures in the east while hay curing was slowed by the rains. In the west, rains increased fruit rot, although most berry harvesting was complete.

September

The state ramained farily dry with near normal temperatures for the month. The last week of the month saw record high temperatures in the west with above normal temperatures across the state. Heavy rains the fourth week improved pastures and helped seeding conditions for fall grains.

October

Temperatures averaged near normal for the month. Precipitation increased during the last two weeks, but was still below normal for the month. Despite moisture shortages in some eastern area's grain and grass seed planting continued during the month with winter wheat emergence above average.

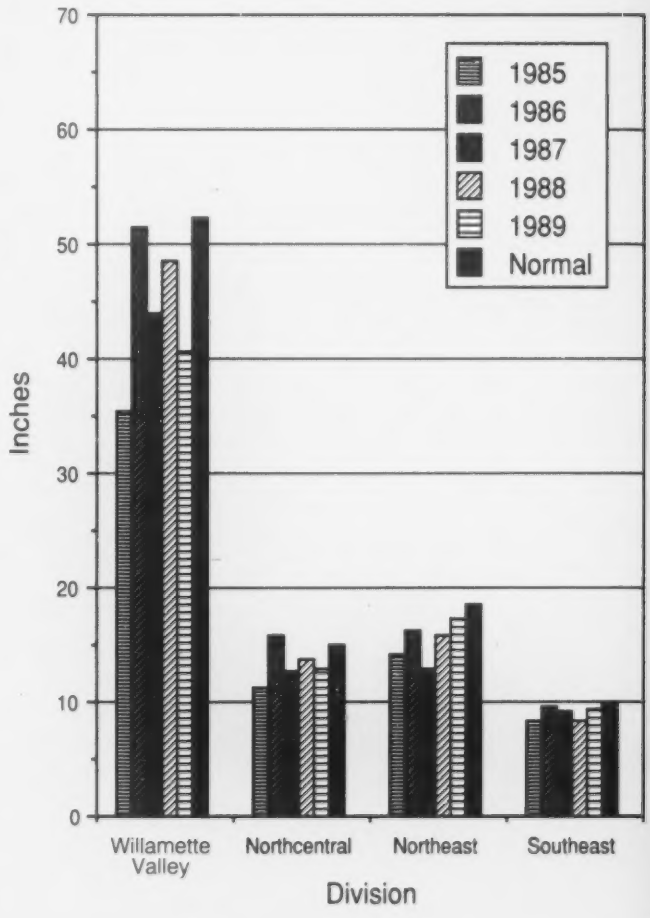
November

During the month temperatures increased across the state, averaging well above normal. Rainfall for the month was 60 percent of normal and many eastern areas remained very dry.

December

Below normal temperatures in the eastern Cascades slowed fall seeded grain emergence but statewide temperatures for the month averaged near normal. Rain was very light except for some heavy showers in the Willamette Valley and along the coast during the second week. For the month statewide precipitation averaged only about a third of the long term average. Winter grains had very little snow cover.

OREGON ANNUAL PRECIPITATION - INCHES

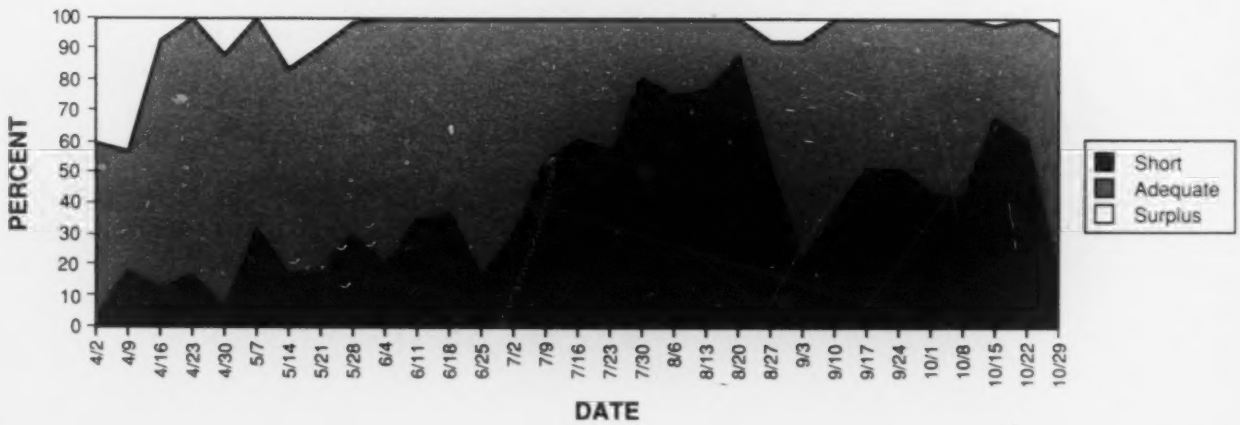


PRECIPITATION: Monthly Totals With Annual Departures From Normal, 1989

Area Station	Monthly Precipitation — Inches												Annual — Inches	
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	Departure*
COASTAL AREA														
Astoria	8.20	6.61	10.09	2.27	3.01	2.58	1.64	0.84	0.50	5.30	6.73	7.40	55.17	-14.43
Brookings	8.23	3.86	11.90	4.98	2.81	1.27	0.97	0.77	0.86	3.15	1.61	1.65	42.06	-34.16
Laurel Mountain	11.42	10.19	18.24	2.71	4.04	3.18	1.50	3.35	1.46	6.71	8.73	9.94	81.47	N/A
Newport	9.32	6.90	13.08	1.85	2.94	2.66	0.82	1.04	0.52	4.52	5.57	4.99	54.21	-20.41
North Bend	9.97	3.76	13.86	2.63	3.78	1.61	0.69	1.40	0.42	5.68	4.83	1.70	50.33	-10.81
WILLAMETTE VALLEY														
Eugene	6.68	3.45	10.93	1.73	3.85	1.03	0.49	1.21	0.64	2.95	5.00	2.70	40.66	-5.38
Portland AP	3.30	2.84	6.73	2.08	2.87	0.78	0.91	1.07	1.48	1.73	3.18	3.08	30.05	-7.34
Salem	3.57	2.79	6.47	1.06	1.08	1.03	0.77	0.48	1.03	2.50	3.09	3.95	27.82	-12.53
SOUTHWESTERN VALLEY														
Grants Pass	3.31	1.51	6.41	3.30	0.84	0.17	0.01	0.20	1.33	2.27	1.12	0.99	21.46	-10.85
Medford AP	2.33	0.78	3.94	2.42	1.01	0.16	0.00	0.41	1.94	0.71	0.71	0.68	15.09	-4.75
Roseburg	4.47	1.95	6.16	2.09	1.32	0.43	0.17	1.61	0.41	2.08	1.56	0.93	23.18	-10.17
NORTHCENTRAL														
Heppner	1.60	1.26	2.23	2.45	1.37	0.39	0.33	1.95	0.14	0.88	1.42	0.67	14.69	1.10
Hermiston	1.38	0.96	1.84	0.98	1.27	0.65	0.19	0.59	0.00	0.34	1.78	0.64	10.62	1.75
Hood River	4.30	1.82	4.08	1.33	1.11	0.46	0.29	1.32	0.30	1.24	2.15	2.50	20.90	-9.95
Moro	1.33	0.77	1.91	0.84	0.91	0.08	0.11	0.67	0.07	0.59	0.96	0.48	8.72	-2.66
Pendleton AP	1.86	1.36	1.72	1.57	1.47	0.57	0.09	1.25	0.12	0.84	1.27	0.21	12.33	0.13
SOUTHCENTRAL														
Burns	0.65	0.80	3.15	1.12	1.02	1.06	0.70	1.14	0.78	0.37	0.48	0.07	11.34	N/A
Klamath Falls 2SSW	1.61	0.54	3.02	1.66	0.90	0.21	0.00	0.44	1.44	1.10	0.82	0.43	12.17	-1.48
Lakeview	1.38	0.70	3.12	0.59	1.08	0.14	0.00	0.61	0.95	0.79	0.67	0.39	10.42	-5.38
Madras 2 N	1.40	0.80	2.60	2.12	1.10	0.22	0.28	0.72	0.11	0.25	0.26	0.35	10.21	N/A
Redmond AP	1.19	0.35	1.65	1.75	0.53	0.11	0.13	1.33	0.21	0.26	0.26	0.10	7.87	-0.67
NORTHEAST														
Baker	1.31	0.80	1.42	0.65	1.98	0.89	0.14	2.39	0.32	0.51	0.50	0.10	11.01	0.38
Enterprise 2S	1.56	0.70	1.82	1.00	1.74	1.18	0.31	4.64	0.86	1.10	1.04	0.19	16.14	N/A
La Grande	2.46	0.78	1.64	0.68	1.38	0.87	0.37	2.16	0.82	0.80	1.29	0.41	13.66	-5.13
Ukiah	2.34	1.31	2.30	1.35	3.64	0.98	0.82	1.56	0.77	1.18	1.11	0.41	17.77	0.87
Union	1.31	0.91	1.70	1.28	1.33	1.25	0.21	2.73	1.09	0.98	1.05	0.22	14.06	0.05
SOUTHEAST														
Malheur Exp. Sta.	0.88	1.27	2.17	0.50	0.60	0.76	0.08	0.94	0.83	0.86	0.28	0.01	9.18	-0.83
Ontario	1.42	1.65	1.77	0.35	0.91	0.50	0.09	1.19	1.28	0.72	0.36	0.04	10.28	0.68

*NOTE: Departure from 1951-1980 average. SOURCE: Department of Commerce, National Weather Service.
T = Trace NA = Not Available

Oregon Soil Moisture 1989



Field Crops

Winter wheat seeding for the 1989 crop got off to an early start. However, a shortage of moisture was evident across the State with about 83 percent of the cropland reported as short of topsoil moisture by mid-October. This slowed remaining seedings and resulted in some "dusting in" of grain in the northcentral district. Russian wheat aphids were also showing up in many emerged winter wheat fields.

Seeding of winter wheat began lagging behind normal by the end of October because of the dry conditions, but most fall grains were seeded by mid-November. By the end of November rains improved fall grain condition in the east and Russian wheat aphid activity was slowed by cool, wet weather.

Above normal temperatures during most of December aided the growth of fall grains, particularly in the Columbia Basin. January 1989 was somewhat colder at the beginning and the end of the month. February brought extreme sub-zero temperatures in many areas of the State, with snow cover varying from light to heavy. In March, the freeze damage to winter wheat became apparent and some reseeding to spring grains had started in eastern Oregon. Russian wheat aphid problems seemed to have lessened due to the cold February, but by May 1 low levels of Russian wheat aphids were showing up again in some small grain fields in the Columbia Basin. Stands of winter wheat in some eastern counties were spotty from winter kill.

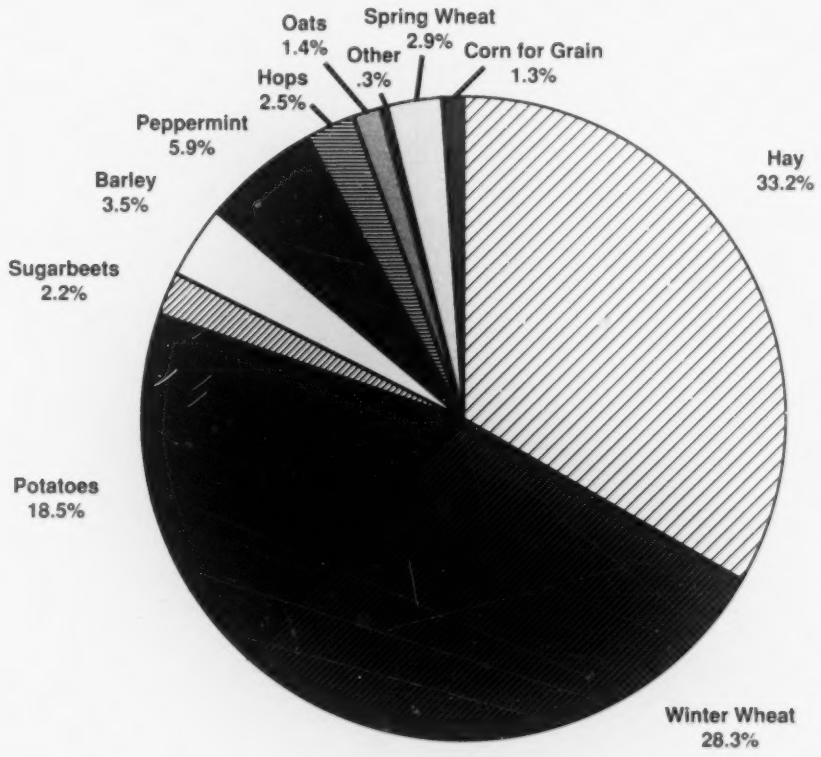
Winter wheat and barley harvest started early in July. By the end of the month harvest was about 30% complete considerably behind normal. Harvesting of winter wheat was virtually completed by September 1st, with some sprout damaged wheat in a few eastern Oregon areas. Some small grains were still being harvested in Wallowa and Klamath counties.

In summary, the year was marked with extreme cold during February causing some winter kill to fall grains and subsequent reseeding. Russian wheat aphids appeared in 1989 and spraying was necessary in many areas in eastern Oregon. Small grain yields for 1989 were generally lower than the previous year.

Winter wheat yield, at 60 bushels per harvested acre, was down 11 bushels from 1988. Other spring, at 47.0, was down 5 bushels; barley, at 67.0 bushels, was down 7 bushels; and oats, at 98 bushels per acre, was down 2 bushels from the previous year. Field corn, on the other hand, was up 2 bushels at 160 bushels per acre.

Peppermint yields averaged 67.0 pounds per acre, down 4 pounds and sugarbeets averaged 25.7 tons per acre, down a ton from 1988. Spearmint price was a recond high. Alfalfa hay yields in 1989 averaged 4.30 tons per acre, up slightly from 1988. Other hay at 1.80 tons per acre was also up slightly. All hay price at $85.00 per ton was a record high. Hop yields in 1989 averaged 1,600 pounds per acre, up from the 1,470 pounds recorded in 1988.

VALUE OF PRODUCTION: PERCENT OF TOTAL, BY FIELD CROPS, OREGON, 1989



MAJOR FIELD CROPS: Acreage, Production and Value, 1988-1989

Crop and Year	Acreage		Yield Per Acre	Unit	Production	Average Price Per Unit	Value of Production
	Planted	Harvested					
	1,000 Acres				1,000 Units	Dollars	Million Dollars
Wheat, Winter							
1988	700	660	71.0	Bu.	46,860	4.27	200.1
1989	840	815	60.0	Bu.	48,900	4.00	195.6
Wheat, Spring							
1988	100	95	52.0	Bu.	4,940	4.27	21.1
1989	110	105	47.0	Bu.	4,935	4.00	19.7
Wheat, All							
1988	800	755	68.6	Bu.	51,800	4.27	221.2
1989	950	920	58.5	Bu.	53,835	4.00	215.3
Barley							
1988	225	200	74.0	Bu.	14,800	2.49	36.9
1989	200	180	67.0	Bu.	12,060	2.25	27.1
Oats							
1988	95	65	100.0	Bu.	6,500	2.18	14.2
1989	105	70	98.0	Bu.	6,860	1.45	9.9
Corn for Grain [1]							
1988	50	19	158.0	Bu.	3,002	3.04	9.1
1989	50	22	160.0	Bu.	3,520	2.85	10.0
Corn, Silage							
1988	—	29	22.0	Ton	638	—	N/A
1989	—	27	24.0	Ton	648	—	N/A
Rye							
1988	15	3	25.0	Bu.	75	2.34	.2
1989	20	3	25.0	Bu.	75	1.85	.1
Sugarbeets							
1988	14.3	14.1	26.7	Ton	376	40.70	15.3
1989	15.2	15.2	25.7	Ton	391	—	16.1[2]
Potatoes, Malheur County							
1988	6.6	6.4	375	Cwt.	2,400	3.70	8.8
1989	5.4	5.2	390	Cwt.	2,028	4.50	9.1
Potatoes, Other Oregon							
1988	39.4	38.6	475	Cwt.	18,335	4.95	90.8
1989	45.6	44.8	475	Cwt.	21,280	5.95	126.6
Potatoes, All							
1988	46.0	45.0	461	Cwt.	20,735	4.80	99.6
1989	51.0	50.0	466	Cwt.	23,308	5.85	135.7
Hops							
1988	—	7.5	1,470	Lb.	11,025	1.64	18.1
1989	—	7.4	1,600	Lb.	11,859	1.58	18.7
Austrian Peas							
1988	5.0	3.0	1,400	Cwt.	42	13.00	.5
1989	2.5	1.5	1,200	Cwt.	18	10.00	.2
Alfalfa Hay							
1988	—	385	4.10	Ton	1,579	—	N/A
1989	—	400	4.30	Ton	1,720	—	N/A
Other Hay							
1988	—	650	1.65	Ton	1,073	—	N/A
1989	—	650	1.80	Ton	1,170	—	N/A
All Hay							
1988	—	1,035	2.56	Ton	2,652	76.00	201.6
1989	—	1,050	2.75	Ton	2,890	85.00	245.7
Peppermint							
1988	—	40.0	71	Lb.	2,840	16.80	47.7
1989	—	46.5	67	Lb.	3,116	13.90	43.3
Spearmint							
1988	—	1.5	74	Lb.	111	14.00	1.6
1989	—	1.5	70	Lb.	105	15.00	1.6
TOTAL SELECTED CROPS							
1988	—	2,217.1	—		—	—	666.0
1989	—	2,394.1	—		—	—	723.7

[1] Corn planted for all purposes.
[2] U.S. price used to derive value, Oregon value available January 1991.

ALL WHEAT: Acreage, Yield, Production and Value, 1870-1989

Year	Acreage		Yield	Production	Season Average Price	Value of Production
	Planted	Harvested				
	1,000 Acres		Bushels	1,000 Bushels	Dollars	1,000 Dollars
1870	—	115	20.0	2,300	—	—
1875	—	255	19.0	4,845	—	—
1880	—	465	20.0	9,300	—	—
1885	—	585	18.0	10,530	—	—
1890	—	590	17.0	10,030	—	—
1895	—	685	20.0	13,700	—	—
1900	—	865	13.7	11,890	—	—
1905	—	670	18.2	12,195	—	—
1910	—	715	19.5	13,938	.88	12,265
1915	—	960	22.0	21,090	.86	18,137
1920	1,073	1,049	20.8	21,795	1.94	42,282
1925	1,614	964	19.6	18,893	1.34	25,317
1930	1,136	1,027	23.0	23,621	.74	17,480
1935	1,082	878	17.7	15,503	.72	11,162
1940	890	839	20.2	16,960	.66	11,194
1945	970	921	23.7	21,810	1.45	31,624
1950	997	952	24.9	23,693	2.05	48,570
1951	1,159	1,063	28.2	29,972	2.17	65,039
1952	1,215	1,167	27.4	32,016	2.16	69,155
1953	1,270	1,220	28.1	34,298	2.12	72,711
1954	928	888	29.5	26,196	2.17	56,845
1955	876	824	26.6	21,899	2.03	44,455
1956	919	816	31.4	25,607	2.03	51,982
1957	786	745	36.0	26,788	2.04	54,647
1958	861	821	34.3	28,147	1.81	50,946
1959	838	800	35.8	28,608	1.80	51,494
1960	838	793	33.6	26,626	1.81	48,193
1961	832	796	25.9	20,602	1.89	38,938
1962	751	687	36.8	25,264	1.97	49,770
1963	829	789	35.5	27,998	1.90	53,196
1964	840	791	34.6	27,385	1.33	36,422
1965	942	806	35.2	28,399	1.36	38,751
1966	806	757	33.8	25,558	1.58	40,382
1967	1,063	1,030	31.6	32,575	1.42	46,257
1968	1,012	954	30.9	29,434	1.28	37,669
1969	817	772	38.2	29,502	1.31	38,647
1970	735	673	39.7	26,717	1.46	39,007
1971	809	768	44.9	34,500	1.43	49,335
1972	918	879	41.9	36,848	2.05	75,539
1973	1,125	1,032	34.9	35,976	4.65	167,288
1974	1,324	1,265	41.7	52,745	4.44	234,188
1975	1,310	1,255	46.2	58,040	3.78	219,391
1976	1,370	1,333	45.2	60,301	2.79	168,240
1977	1,308	1,230	38.7	47,620	2.77	131,908
1978	1,285	1,225	42.4	51,925	3.51	182,257
1979	1,450	1,245	46.0	57,310	3.79	217,205
1980	1,410	1,350	57.3	77,400	3.98	308,052
1981	1,300	1,260	59.0	74,330	3.84	285,427
1982	1,260	1,200	52.9	63,500	4.01	254,635
1983	1,170	1,085	60.4	65,570	3.65	239,331
1984	1,200	1,115	61.8	68,945	3.47	239,239
1985	1,140	1,065	52.6	56,040	3.38	189,415
1986	1,070	1,025	57.0	58,405	2.59	151,269
1987	845	810	65.3	52,920	2.86	151,351
1988	800	755	68.6	51,800	4.27	221,186
1989	950	920	58.5	53,835	4.00	215,340

WINTER WHEAT: Acreage, Yield and Production, by County, 1988-1989

District and County	1988				1989			
	Acreage		Yield Per Acre	Production	Acreage		Yield Per Acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Bushels		Acres		Bushels	
NORTHWEST:								
Benton	12,600	12,200	94.0	1,146,800	12,700	12,200	90.0	1,098,000
Clackamas	10,400	9,900	97.0	960,300	10,100	9,600	85.0	816,000
Columbia	700	600	90.0	54,000	600	600	83.0	49,800
Lane	7,300	6,900	98.0	676,200	8,400	7,900	94.0	742,600
Linn	15,100	14,600	87.0	1,270,200	14,200	13,700	87.0	1,191,900
Marion	18,900	18,000	96.0	1,728,000	19,200	18,500	87.0	1,609,500
Multnomah	1,700	1,600	100.0	160,000	2,000	1,900	95.0	180,500
Polk	28,700	27,700	90.0	2,493,000	22,300	21,300	77.0	1,640,100
Washington	22,100	21,100	100.0	2,110,000	23,500	23,000	87.0	2,001,000
Yamhill	30,000	29,000	95.0	2,755,000	29,200	28,700	80.0	2,296,000
TOTAL	147,500	141,600	94.3	13,353,500	142,200	137,400	84.6	11,625,400
NORTH CENTRAL:								
Gilliam	83,000	79,500	52.0	4,134,000	84,600	81,000	35.0	2,835,000
Morrow	81,500	71,000	63.0	4,473,000	127,600	124,500	53.0	6,598,500
Sherman	77,300	72,500	55.0	3,987,500	84,900	82,000	46.0	3,772,000
Wasco	47,300	43,500	70.0	3,045,000	58,800	56,000	51.0	2,856,000
TOTAL	289,100	266,500	58.7	15,639,500	355,900	343,500	46.8	16,061,500
NORTHEAST:								
Baker	3,100	3,000	73.0	219,000	5,000	4,900	77.0	377,300
Umatilla	191,000	185,000	65.4	12,090,000	250,000	246,000	56.0	13,776,000
Union	20,800	20,500	82.0	1,681,000	33,600	32,500	73.0	2,372,500
Wallowa	7,100	7,000	73.0	511,000	10,200	10,000	65.0	650,000
TOTAL	222,000	215,500	67.3	14,501,000	298,800	293,400	58.5	17,175,800
SOUTHWEST:								
Douglas	2,400	2,400	87.0	208,800	2,400	2,300	85.0	195,500
Jackson	1,900	1,900	83.0	157,700	2,000	1,900	80.0	152,000
Josephine	100	100	60.0	6,000	100	100	61.0	6,100
TOTAL	4,400	4,400	84.7	372,500	4,500	4,300	82.2	353,600
SOUTHEAST:								
Crook	3,900	1,700	80.0	136,000	1,300	1,200	90.0	108,000
Deschutes	200	200	95.0	19,000	700	600	100.0	60,000
Grant	600	400	50.0	20,000	800	500	45.0	22,500
Harney	100	—	—	—	500	400	69.0	27,600
Jefferson	8,300	8,100	110.0	891,000	8,500	8,000	114.0	912,000
Klamath	1,400	1,400	65.0	91,000	1,000	1,000	85.0	85,000
Lake	2,300	1,500	40.0	60,000	1,300	1,000	55.0	55,000
Malheur	18,400	17,000	100.0	1,700,000	23,300	22,900	104.0	2,381,600
Wheeler	1,800	1,700	45.0	76,500	1,200	800	40.0	32,000
TOTAL	37,000	32,000	93.5	2,993,500	38,600	36,400	101.2	3,683,700
STATE TOTAL	700,000	660,000	71.0	46,860,000	840,000	815,000	60.0	48,900,000

SPRING WHEAT: Acreage, Yield and Production, by County, 1988-1989

District and County	1988				1989			
	Acreage		Yield Per Acre	Production	Acreage		Yield Per Acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Bushels		Acres		Bushels	
NORTHWEST:								
Benton	300	300	45.0	13,500	800	800	60.0	48,000
Clackamas	100	100	70.0	7,000	400	400	49.0	19,600
Lane	200	200	75.0	15,000	100	100	52.0	5,200
Linn	400	400	57.0	22,800	300	300	45.0	13,500
Marion	1,100	1,000	67.0	67,000	1,500	1,500	50.0	75,000
Polk	900	900	63.0	56,700	700	700	51.0	35,700
Washington	900	900	68.0	61,200	1,000	1,000	62.0	62,000
Yamhill	1,000	1,000	66.0	66,000	1,300	1,300	45.0	58,500
TOTAL	4,900	4,800	64.4	309,200	6,100	6,100	52.0	317,500
NORTH CENTRAL:								
Gilliam	7,500	7,000	35.0	245,000	10,400	10,000	27.0	270,000
Morrow	34,500	33,000	47.7	1,574,800	19,300	18,500	35.0	647,500
Sherman	7,700	7,500	45.0	337,500	13,600	13,000	37.0	481,000
Wasco	4,700	4,500	45.0	202,500	5,200	5,000	38.0	190,000
TOTAL	54,400	52,000	45.4	2,359,800	48,500	46,500	34.2	1,588,500
NORTHEAST:								
Baker	1,100	1,000	56.0	56,000	1,500	1,500	60.0	90,000
Umatilla	11,700	11,000	50.0	550,000	15,000	14,000	38.0	532,000
Union	6,200	6,000	48.0	288,000	8,400	8,000	50.0	400,000
Wallowa	3,700	3,500	54.0	189,000	5,300	5,000	56.0	280,000
TOTAL	22,700	21,500	50.4	1,083,000	30,200	28,500	45.7	1,302,000
SOUTHWEST:								
Douglas	100	100	70.0	7,000	200	200	60.0	12,000
Jackson	200	100	80.0	8,000	100	100	70.0	7,000
TOTAL	300	200	75.0	15,000	300	300	63.3	19,000
SOUTHEAST:								
Crook	600	500	95.0	47,500	1,200	1,200	85.0	102,000
Deschutes	600	600	95.0	57,000	200	200	75.0	15,000
Grant	200	100	80.0	8,000	—	—	—	—
Harney	100	100	40.0	4,000	—	—	—	—
Jefferson	4,200	3,800	90.0	342,000	8,200	7,500	80.0	600,000
Klamath	7,700	7,500	61.0	457,500	7,800	7,500	70.0	525,000
Lake	500	400	30.0	12,000	1,000	1,000	25.0	25,000
Malheur	3,600	3,500	70.0	245,000	5,400	5,200	80.0	416,000
Wheeler	200	—	—	—	1,100	1,000	25.0	25,000
TOTAL	17,700	16,500	71.1	1,173,000	24,900	23,600	72.4	1,708,000
STATE TOTAL	100,000	95,000	52.0	4,940,000	110,000	105,000	47.0	4,935,000

ALL WHEAT: Acreage, Yield and Production, by County, 1988-1989

District and County	1988				1989			
	Acreage		Yield Per Acre	Production	Acreage		Yield Per Acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Bushels		Acres		Bushels	
NORTHWEST:								
Benton	12,900	12,500	92.8	1,160,300	13,500	13,000	88.2	1,146,000
Clackamas	10,500	10,000	96.7	967,300	10,500	10,000	83.6	835,600
Columbia	700	600	90.0	54,000	600	600	83.0	49,800
Lane	7,500	7,100	97.4	691,200	8,500	8,000	93.5	747,800
Linn	15,500	15,000	86.2	1,293,000	14,500	14,000	86.1	1,205,400
Marion	20,000	19,000	94.5	1,795,000	20,700	20,000	84.2	1,684,500
Multnomah	1,700	1,600	100.0	160,000	2,000	1,900	95.0	180,500
Polk	29,600	28,600	89.2	2,549,700	23,000	22,000	76.2	1,675,800
Washington	23,000	22,000	98.7	2,171,200	24,500	24,000	86.0	2,063,000
Yamhill	31,000	30,000	94.0	2,821,000	30,500	30,000	78.5	2,354,500
TOTAL	152,400	146,400	93.3	13,662,700	148,300	143,500	83.2	11,942,900
NORTHCENTRAL:								
Gilliam	90,500	86,500	50.6	4,379,000	95,000	91,000	34.1	3,105,000
Morrow	116,000	104,000	58.2	6,047,800	146,900	143,000	50.7	7,246,000
Sherman	85,000	80,000	54.1	4,325,000	98,500	95,000	44.8	4,253,000
Wasco	52,000	48,000	67.7	3,247,500	64,000	61,000	49.9	3,046,000
TOTAL	343,500	318,500	56.5	17,999,300	404,400	390,000	45.3	17,650,000
NORTHEAST:								
Baker	4,200	4,000	68.8	275,000	6,500	6,400	73.0	467,300
Umatilla	202,700	196,000	64.5	12,640,000	265,000	260,000	55.0	14,308,000
Union	27,000	26,500	74.3	1,969,000	42,000	40,500	68.5	2,772,500
Wallowa	10,800	10,500	66.7	700,000	15,500	15,000	62.0	930,000
TOTAL	244,700	237,000	65.8	15,584,000	329,000	321,900	57.4	18,477,800
SOUTHWEST:								
Douglas	2,500	2,500	86.3	215,800	2,600	2,500	83.0	207,500
Jackson	2,100	2,000	82.9	165,700	2,100	2,000	79.5	159,000
Josephine	100	100	60.0	6,000	100	100	61.0	6,100
TOTAL	4,700	4,600	84.2	387,500	4,800	4,600	81.0	372,600
SOUTHEAST:								
Crook	4,500	2,200	83.4	183,500	2,500	2,400	87.5	210,000
Deschutes	800	800	95.0	76,000	900	800	93.8	75,000
Grant	800	500	56.0	28,000	800	500	45.0	22,500
Harney	200	100	40.0	4,000	500	400	69.0	27,600
Jefferson	12,500	11,900	103.6	1,233,000	16,700	15,500	97.5	1,512,000
Klamath	9,100	8,900	61.6	548,500	8,800	8,500	71.8	610,000
Lake	2,800	1,900	37.9	72,000	2,300	2,000	40.0	80,000
Malheur	22,000	20,500	94.9	1,945,000	28,700	28,100	99.6	2,797,600
Wheeler	2,000	1,700	45.0	76,500	2,300	1,800	31.7	57,000
TOTAL	54,700	48,500	85.9	4,166,500	63,500	60,000	89.9	5,391,700
STATE TOTAL	800,000	755,000	68.6	51,800,000	950,000	920,000	58.5	53,835,000

ALL WHEAT IRRIGATED: Acreage, Yield and Production, by County, 1988-1989

District and County	1988				1989			
	Acreage		Yield Per Acre	Production	Acreage		Yield Per Acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Bushels		Acres		Bushels	
NORTHWEST:								
Benton	700	700	90.0	63,000	1,700	1,700	91.6	155,700
Clackamas	300	300	85.0	25,500	500	500	95.0	47,500
Columbia	—	—	—	—	200	200	71.0	14,200
Lane	1,000	800	87.8	70,200	400	300	93.0	27,900
Linn	1,700	1,700	80.0	136,000	1,600	1,600	78.4	125,500
Marion	4,100	4,000	91.9	367,500	5,400	5,400	96.4	520,400
Polk	400	400	88.8	35,500	400	400	78.5	31,400
Washington	1,200	1,200	99.2	119,000	2,000	2,000	86.4	172,800
Yamhill	300	300	105.0	31,500	1,400	1,300	88.2	114,700
TOTAL	9,700	9,400	90.2	848,200	13,600	13,400	90.3	1,210,100
NORTH CENTRAL:								
Gilliam	1,700	1,700	76.5	130,000	1,700	1,700	67.6	115,000
Morrow	21,600	14,800	114.5	1,694,400	31,500	31,000	102.4	3,175,000
Sherman	400	400	95.0	38,000	3,000	3,000	77.1	231,200
Wasco	5,600	5,500	69.1	380,100	6,000	5,900	70.2	414,000
TOTAL	29,300	22,400	100.1	2,242,500	42,200	41,600	94.6	3,935,200
NORTHEAST:								
Baker	2,600	2,500	76.4	191,000	4,600	4,500	80.0	360,000
Umatilla	40,600	40,000	95.8	3,831,100	38,800	37,500	92.1	3,452,800
Union	10,500	10,500	82.7	867,900	16,700	16,500	83.3	1,374,500
Wallowa	3,800	3,700	78.2	289,300	5,600	5,400	80.2	433,200
TOTAL	57,500	56,700	91.3	5,179,300	65,700	63,900	88.0	5,620,500
SOUTHWEST:								
Jackson	400	400	102.5	41,000	600	600	95.0	57,000
TOTAL	400	400	102.5	41,000	600	600	95.0	57,000
SOUTHEAST:								
Crook	4,400	2,200	83.4	183,500	2,500	2,400	87.5	210,000
Deschutes	800	800	95.0	76,000	800	800	93.8	75,000
Grant	400	400	57.5	23,000	—	—	—	—
Harney	100	100	40.0	4,000	400	400	69.0	27,600
Jefferson	11,500	11,200	107.2	1,200,500	14,000	13,300	108.5	1,443,000
Klamath	8,900	8,900	61.6	548,500	8,300	8,100	74.2	601,000
Lake	700	500	41.0	20,500	300	300	40.0	12,000
Malheur	21,300	20,000	96.4	1,928,000	27,600	27,200	101.5	2,761,600
TOTAL	48,100	44,100	90.3	3,984,000	53,900	52,500	97.7	5,130,200
STATE TOTAL	145,000	133,000	92.4	12,295,000	176,000	172,000	92.8	15,953,000

ALL WHEAT VARIETIES: Planted Acres, 1989 and 1990

Varieties by Class	% of All Wheat		Planted Acres [1]		1990 Planted Acres by District[2]				
	1989	1990	1989	1990	NW	NC	NE	SW	SE
Soft White Winter									
Stephens	69.8	72.9	663,500	739,900	92,100	371,200	230,800	800	45,000
Malcolm	5.0	6.5	47,000	65,500	21,800	19,800	13,400	4,000	6,500
Hill - 81	4.2	3.9	39,700	39,600	22,200	2,000	15,200	100	100
Daws	1.4	1.5	13,700	15,000	7,100	200	7,500	—	200
Dusty	.9	1.0	8,900	10,200	100	2,500	7,500	—	100
Yamhill	.9	1.0	8,300	10,100	9,500	—	300	100	200
Basin	—	.2	—	2,400	—	400	500	—	1,500
Hyslop	.2	.2	1,600	2,100	1,200	700	—	—	200
Lewjain	—	.1	—	1,100	—	—	1,100	—	—
Nugaines	.4	.1	3,300	700	100	—	—	—	600
Goldcoin	*	*	400	400	—	—	—	—	400
McDermid	.2	*	2,200	400	400	—	—	—	—
Gaines	.1	*	1,300	300	—	—	300	—	—
Other & Unknown	.4	.3	3,900	2,900	500	1,500	700	—	200
Total	83.6	87.7	793,800	890,600	155,000	398,300	277,300	5,000	55,000
Soft White Spring									
Twin	1.6	1.2	15,500	11,800	200	7,600	1,200	—	2,800
Owens	2.3	1.1	21,600	11,200	2,700	600	6,800	200	900
Dirkwin	3.6	1.1	34,200	10,800	900	9,000	800	—	100
Penawawa	—	.6	—	6,400	900	3,600	1,900	—	—
Bliss	.7	.3	7,000	3,500	—	—	800	—	2,700
Fieldwin	.1	.2	1,200	2,700	—	1,900	100	—	700
Fielder	.1	.1	1,000	1,400	100	1,000	100	—	200
Adams	.2	*	1,700	100	—	—	100	—	—
Waverly	.1	.1	600	600	—	600	—	—	—
WS-1	.1	*	500	100	100	—	—	—	—
Other & Unknown	.1	.3	800	2,500	1,000	700	700	—	100
Total	8.9	5.0	84,100	51,100	5,900	25,000	12,500	200	7,500
White Club									
Crew	2.0	2.8	19,400	28,400	—	28,400	—	—	—
Tres Club	1.9	2.1	18,300	21,700	—	9,000	12,700	—	—
Moro Club	*	.4	400	3,800	—	3,800	—	—	—
Jacmar Club	—	.3	—	2,700	—	2,700	—	—	—
Faro Club	.1	.1	1,200	500	—	500	—	—	—
Tyee Club	.1	—	1,000	—	—	—	—	—	—
Other & Unknown	.1	—	800	—	—	—	—	—	—
Total	4.3	5.7	41,100	57,100	—	44,400	12,700	—	—
All White Wheat	96.8	98.4	919,000	998,800	160,900	467,700	302,500	5,200	62,500
Hard Red Winter									
Ute	.3	.2	3,100	2,300	—	2,300	—	—	—
Other & Unknown	.2	—	2,000	—	—	—	—	—	—
Total	.5	.2	5,100	2,300	—	2,300	—	—	—
Hard Red Spring									
Yecoro Rojo	.6	.8	5,500	8,000	200	300	2,000	—	5,800
Westbred 906R	1.0	.3	9,300	3,500	—	—	—	—	3,200
Kodiak	.1	—	800	—	—	—	—	—	—
Other & Unknown	.3	.1	3,100	600	—	—	400	—	200
Total	2.0	1.2	18,700	12,100	200	300	2,400	—	9,200
All Red Wheat	2.5	1.4	23,800	14,400	200	2,600	2,400	—	9,200
Durum									
Westbred 881	.7	.1	6,800	700	—	—	700	—	—
Other & Unknown	*	.1	400	1,100	—	—	1,000	—	100
Total	.7	.2	7,200	1,800	—	—	1,700	—	100
Spring Wheat	11.6	6.4	110,000	65,000	6,100	25,300	16,600	200	16,800
Winter Wheat	88.4	93.6	840,000	950,000	155,000	445,000	290,000	5,000	55,000
All Wheat	100.0	100.0	950,000	1,015,000	161,100	470,300	306,600	5,200	71,800

* Less than .1 percent. [1] Preliminary 1990 planted acreage estimates. [2] NW: Benton, Clackamas, Clatsop, Columbia, Lane, Lincoln, Linn, Marion, Multnomah, Polk, Tillamook, Washington, Yamhill. NC: Gilliam, Hood River, Morrow, Sherman, Wasco. NE: Baker, Umatilla, Union, Wallowa. SW: Coos, Curry, Douglas, Jackson, Josephine. SE: Crook, Deschutes, Grant, Harney, Jefferson, Klamath, Lake, Malheur, Wheeler.

BARLEY: Acreage, Yield, Production and Value, 1870-1989

Year	Acreage		Yield	Production	Season Average Price	Value of Production
	Planted	Harvested				
	1,000 Acres		Bushels	1,000 Bushels	Dollars	1,000 Dollars
1870	—	7	30.5	214	.75	160
1875	—	20	29.0	580	.80	464
1880	—	29	29.0	841	.67	563
1885	—	35	29.5	1,032	.49	506
1890	—	42	27.5	1,155	.70	808
1895	—	55	22.5	1,238	.40	495
1900	—	66	28.0	1,848	.42	776
1905	—	92	28.5	2,622	.52	1,363
1910	—	100	23.0	2,300	.63	1,449
1915	—	85	25.0	2,125	.55	1,169
1920	—	67	27.5	1,842	1.24	2,284
1925	—	84	28.0	2,352	.69	1,623
1930	90	72	31.2	2,246	.48	1,078
1935	142	112	27.0	3,024	.47	1,421
1940	263	213	25.0	5,325	.50	2,662
1945	285	257	29.5	7,582	1.06	8,037
1950	362	337	32.0	10,784	1.25	13,480
1951	362	337	31.0	10,447	1.39	14,521
1952	304	276	38.0	10,488	1.56	16,361
1953	328	301	38.0	11,438	1.19	13,611
1954	558	527	37.0	19,499	1.17	22,814
1955	614	559	32.0	17,888	.99	17,709
1956	620	570	37.5	21,375	1.04	22,230
1957	651	616	35.5	21,868	.98	21,431
1958	618	585	34.0	19,890	1.01	20,089
1959	598	538	36.5	19,637	1.01	19,833
1960	514	457	36.0	16,452	1.03	16,946
1961	519	484	34.5	16,698	1.06	17,700
1962	467	407	43.5	17,704	1.01	17,881
1963	481	427	39.0	16,653	.98	16,320
1964	462	393	40.5	15,916	1.05	16,712
1965	439	369	46.0	16,974	1.08	18,332
1966	452	410	41.0	16,810	1.16	19,500
1967	298	266	32.5	8,645	1.11	9,596
1968	336	279	37.5	10,462	1.01	10,567
1969	444	399	44.0	17,556	.94	16,503
1970	440	395	46.0	18,170	1.03	18,715
1971	392	355	51.0	18,105	1.08	19,553
1972	281	250	48.0	12,000	1.45	17,400
1973	270	230	40.0	9,200	2.41	22,172
1974	215	190	45.0	8,550	2.98	25,479
1975	200	177	51.0	9,027	2.53	22,838
1976	195	174	50.0	8,700	2.36	20,532
1977	210	190	47.0	8,930	1.89	16,878
1978	225	200	54.0	10,800	1.91	20,628
1979	180	160	52.0	8,320	2.47	20,550
1980	170	155	65.0	10,075	2.97	29,923
1981	220	205	60.0	12,300	2.52	30,996
1982	260	250	62.0	15,500	2.21	34,255
1983	280	270	61.0	16,470	2.59	42,657
1984	290	280	62.0	17,360	2.37	41,143
1985	360	350	55.0	19,250	2.00	38,500
1986	375	365	57.0	20,805	1.70	35,369
1987	220	200	70.0	14,000	1.93	27,020
1988	225	200	74.0	14,800	2.49	36,852
1989	200	180	67.0	12,060	2.25	27,135

BARLEY: Acreage, Yield and Production, by County, 1988-1989

District and County	1988				1989			
	Acreage		Yield Per Acre	Production	Acreage		Yield Per Acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Bushels		Acres		Bushels	
NORTHWEST:								
Benton	400	400	75.0	30,000	300	300	63.0	18,900
Clackamas	600	600	85.0	51,000	900	900	65.0	58,500
Columbia	300	300	75.0	22,500	300	300	80.0	24,000
Lane	800	800	80.0	64,000	700	700	90.0	63,000
Linn	800	800	77.0	61,600	800	600	73.0	43,800
Marion	1,000	700	75.0	52,500	700	600	71.0	42,600
Multnomah	700	700	70.0	49,000	1,000	1,000	85.0	85,000
Polk	1,900	1,800	80.0	144,000	1,800	1,500	60.0	90,000
Washington	800	800	80.0	6,000	800	800	71.0	56,800
Yamhill	2,100	2,000	75.0	150,000	1,600	1,600	67.0	107,200
TOTAL	9,400	8,900	77.4	688,600	8,900	8,300	71.1	589,800
NORTHCENTRAL:								
Gilliam	13,400	12,000	61.0	732,000	12,500	11,800	35.0	413,000
Morrow	12,500	12,000	67.0	804,000	9,800	9,200	46.0	423,200
Sherman	18,800	18,000	66.0	1,188,000	16,500	15,700	50.0	785,000
Wasco	9,900	9,100	70.0	637,000	6,500	5,500	52.0	286,000
TOTAL	54,600	51,100	65.8	3,361,000	45,300	42,200	45.2	1,907,200
NORTHEAST:								
Baker	4,400	4,200	80.0	336,000	4,800	4,500	76.5	344,400
Umatilla	46,800	45,000	75.0	3,375,000	35,000	32,300	65.0	2,099,500
Union	11,600	11,000	70.0	770,000	12,500	11,500	60.0	690,000
Wallowa	21,000	19,000	74.0	1,406,000	15,700	14,000	70.0	980,000
TOTAL	83,800	79,200	74.3	5,887,000	68,000	62,300	66.0	4,113,900
SOUTHWEST:								
Douglas	400	300	70.0	21,000	800	500	80.0	40,000
Jackson	2,100	1,700	70.0	119,000	2,200	1,900	80.0	152,000
Josephine	500	300	60.0	18,000	500	300	60.0	18,000
TOTAL	3,000	2,300	68.7	158,000	3,500	2,700	77.8	210,000
SOUTHEAST:								
Crook	3,000	1,200	95.0	114,000	3,900	1,500	80.0	120,000
Deschutes	1,100	500	77.0	38,500	600	400	99.0	39,600
Grant	400	300	65.0	19,500	700	400	60.0	24,000
Harney	7,600	3,500	55.0	192,500	3,600	3,200	58.0	185,600
Jefferson	2,500	1,500	120.0	180,000	2,400	1,500	102.0	153,000
Klamath	39,100	36,000	85.0	3,060,000	46,000	42,000	85.0	3,570,000
Lake	8,000	6,600	60.0	396,000	6,500	5,800	67.0	388,600
Malheur	11,000	7,700	85.0	654,500	9,800	9,000	82.0	738,000
Wheeler	1,500	1,200	42.0	50,400	800	700	29.0	20,300
TOTAL	74,200	58,500	80.4	4,705,400	74,300	64,500	81.2	5,239,100
STATE TOTAL	225,000	200,000	74.0	14,800,000	200,000	180,000	67.0	12,060,000

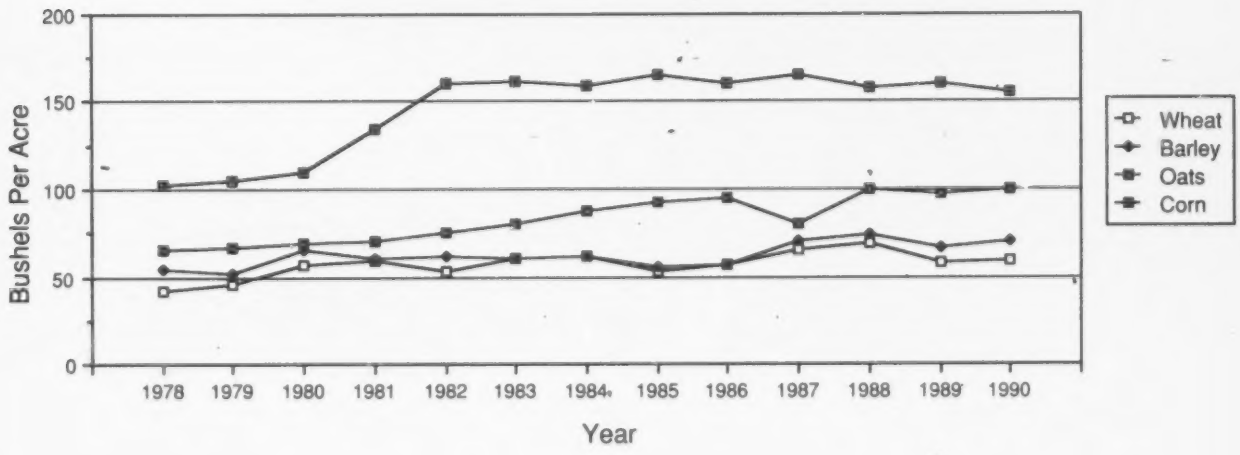
ALL OATS: Acreage, Yield and Production, by County, 1988-1989

District and County	1988				1989			
	Acreage		Yield Per Acre	Production	Acreage		Yield Per Acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Bushels		Acres		Bushels	
NORTHWEST:								
Benton	1,200	1,000	79.0	79,000	1,600	1,400	82.0	114,800
Clackamas	3,000	2,500	109.0	272,500	3,500	2,700	100.0	270,000
Columbia	500	400	80.0	32,000	600	500	90.0	45,000
Lane	3,100	1,000	75.0	75,000	3,300	1,300	77.0	100,100
Linn	2,900	2,600	80.0	208,000	3,400	3,000	82.0	246,000
Marion	4,700	4,000	94.0	376,000	4,900	3,600	101.0	363,600
Multnomah	400	400	120.0	48,000	600	500	110.0	55,000
Polk	11,300	10,500	98.0	1,029,000	12,000	11,000	86.0	946,000
Washington	10,800	10,000	128.0	1,280,000	13,200	12,000	125.0	1,500,000
Yamhill	14,000	13,000	105.0	1,365,000	14,500	13,000	90.0	1,170,000
TOTAL	51,900	45,400	104.9	4,764,500	57,600	49,000	98.2	4,810,500
NORTHCENTRAL:								
Gilliam	100	100	60.0	6,000	100	100	55.0	5,500
Hood River	100	—	—	—	100	—	—	—
Morrow	400	200	62.0	12,400	600	200	100.0	20,000
Sherman	200	200	40.0	8,000	300	200	41.0	8,200
Wasco	300	200	60.0	12,000	500	300	60.0	18,000
TOTAL	1,100	700	54.9	38,400	1,600	800	64.6	51,700
NORTHEAST:								
Baker	300	100	66.0	6,600	500	100	65.0	6,500
Umatilla	4,500	4,000	80.0	320,000	2,700	1,000	85.0	85,000
Union	900	700	70.0	49,000	1,400	1,000	73.0	73,000
Wallowa	1,500	1,000	80.0	80,000	2,000	1,000	86.0	86,000
TOTAL	7,200	5,800	78.6	455,600	6,600	3,100	80.8	250,500
SOUTHWEST:								
Douglas	600	400	75.0	30,000	700	500	70.0	35,000
Jackson	700	200	75.0	15,000	700	200	100.0	20,000
Josephine	200	100	60.0	6,000	200	100	60.0	6,000
TOTAL	1,500	700	72.9	51,000	1,600	800	76.3	61,000
SOUTHEAST:								
Crook	1,900	100	95.0	9,500	2,500	200	95.0	19,000
Deschutes	1,000	500	80.0	40,000	1,200	500	80.0	40,000
Grant	500	200	60.0	12,000	700	200	62.0	12,400
Harney	8,000	3,000	60.0	180,000	6,800	2,700	60.0	162,000
Jefferson	400	200	105.0	21,000	500	500	110.0	55,000
Klamath	14,700	6,500	120.0	780,000	16,000	9,500	121.0	1,149,500
Lake	4,000	1,000	80.0	80,000	4,200	1,300	101.0	131,300
Malheur	2,200	800	80.0	64,000	5,000	1,300	87.0	113,100
Wheeler	600	100	40.0	4,000	700	100	40.0	4,000
TOTAL	33,300	12,400	96.0	1,190,500	37,600	16,300	103.5	1,686,300
STATE TOTAL	95,000	65,000	100.0	6,500,000	105,000	70,000	98.0	6,860,000

FIELD CORN: Acreage, Yield and Production, by County, 1988-1989

District and County	1988				1989			
	Acreage		Yield Per Acre	Production	Acreage		Yield Per Acre	Production
	Planted All Purposes	Harvested For Grain			Planted All Purposes	Harvested For Grain		
	Acres		Bushels		Acres		Bushels	
NORTHWEST:								
Benton	800	—	—	—	1,000	—	—	—
Clackamas	2,900	500	131.0	65,500	3,000	500	130.0	65,000
Columbia	600	—	—	—	700	—	—	—
Lane	1,300	—	—	—	1,000	—	—	—
Linn	1,500	100	120.0	12,000	2,000	100	120.0	12,000
Marion	4,200	100	130.0	13,000	4,000	100	135.0	13,500
Polk	2,000	600	130.0	78,000	2,500	300	140.0	42,000
Tillamook	100	—	—	—	—	—	—	—
Washington	2,800	—	—	—	2,500	100	165.0	16,500
Yamhill	3,000	500	151.0	75,500	3,500	500	151.0	75,500
Total	19,200	1,800	135.6	244,000	20,200	1,600	140.3	224,500
NORTHCENTRAL:								
Hood River	100	—	—	—	—	—	—	—
Morrow	5,200	3,500	185.0	647,500	4,700	4,700	175.0	822,500
Total	5,300	3,500	185.0	647,500	4,700	4,700	175.0	822,500
NORTHEAST:								
Baker	400	—	—	—	500	—	—	—
Umatilla	8,500	5,200	195.0	1,014,000	6,500	5,500	190.0	1,045,000
Total	8,900	5,200	195.0	1,014,000	7,000	5,500	190.0	1,045,000
SOUTHWEST:								
Coos	500	—	—	—	500	—	—	—
Douglas	100	—	—	—	100	—	—	—
Jackson	600	—	—	—	500	—	—	—
Josephine	300	—	—	—	300	—	—	—
Total	1,500	—	—	—	1,400	—	—	—
SOUTHEAST:								
Grant	—	—	—	—	—	—	—	—
Jefferson	100	—	—	—	—	—	—	—
Malheur	15,000	8,500	129.0	1,096,500	16,700	10,200	140.0	1,428,000
Total	15,100	8,500	129.0	1,096,500	16,700	10,200	140.0	1,428,000
STATE TOTAL	50,000	19,000	158.0	3,002,000	50,000	22,000	160.0	3,520,000

Grain Yields, Selected Crops, 1978-1990



STOCKS OF MAJOR GRAINS AND HAY: 1980-1990

Crop and Year	January 1[1]		April 1[1]		June 1		October 1[1]	
	Off Farm Total	Total All Positions	Off Farm Total	Total All Positions	Off Farm Total	Total All Positions	Off Farm Total	Total All Positions
	1,000 Bushels							
WHEAT								
1980	30,384	48,723	22,027	34,062	19,062	23,647	49,095	73,089
1981	34,931	55,829	25,405	40,885	19,207	27,721	48,277	72,063
1982	37,118	58,674	26,312	41,921	15,610	25,273	39,662	63,792
1983	30,735	51,055	22,171	36,141	18,463	27,353	46,803	73,687
1984	33,916	58,177	30,789	47,837	24,397	37,511	44,385	70,584
1985	38,131	58,815	30,444	44,922	29,534	41,255	51,692	75,229
1986	44,429	64,603	39,099	53,669	36,830	49,719	57,031	81,547
1987	49,300	70,300	42,400	54,400	36,800	45,800	52,900	78,900
1988	49,100	69,100	39,300	51,300	33,247	43,247	46,461	68,461
1989	33,204	51,704	27,912	36,912	19,025	24,025	38,528	55,528
1990	30,532	46,032	24,979	34,979	18,277	23,377	42,385	66,385
BARLEY								
1980	4,143	6,473	1,972	2,970	759	1,092	4,963	8,993
1981	2,998	5,920	2,708	3,917	622	1,025	7,175	12,095
1982	4,674	8,487	1,061	2,537	776	1,268	6,254	12,299
1983	5,825	11,250	2,645	4,970	1,549	2,324	8,873	14,308
1984	4,733	8,521	3,108	4,755	679	1,338	10,461	16,363
1985	4,218	8,384	2,081	4,338	946	1,640	9,098	14,873
1986	6,126	9,976	[2]	[2]	1,691	3,231	[2]	[2]
1987	[2]	[2]	[2]	[2]	2,650	4,250	[2]	[2]
1988	[2]	[2]	[2]	[2]	3,779	5,029	6,000	9,000
1989	6,345	8,845	3,653	5,253	1,922	2,802	3,918	5,918
1990	5,119	7,119	1,841	3,041	1,071	1,671	3,023	7,323
OATS								
1980	1,199	2,807	731	1,736	235	637	1,293	3,529
1981	1,017	2,590	429	1,381	197	528	1,751	3,571
1982	1,214	2,716	578	1,488	482	846	2,271	5,267
1983	1,918	3,958	1,696	3,099	874	1,575	1,818	4,038
1984	950	2,570	612	1,392	275	515	1,731	4,701
1985	1,130	2,780	706	1,432	412	676	2,890	6,386
1986	2,137	4,437	[2]	[2]	662	1,122	[2]	[2]
1987	[2]	[2]	[2]	[2]	524	1,424	[2]	[2]
1988	[2]	[2]	[2]	[2]	447	847	[2]	[2]
1989	[2]	[2]	[2]	[2]	612	992	[2]	[2]
1990	[2]	[2]	1,612	2,512	944	1,644	1,511	3,311
CORN								
1980	118	748	127	442	160	286	40	90
1981	72	787	178	536	119	262	70	127
1982	[3]	[3]	[3]	[3]	144	382	38	157
1983	215	3,522	121	1,556	245	994	108	358
1984	108	3,048	562	1,364	456	830	174	334
1985	2,686	4,756	488	1,156	130	464	85	219
1986	438	1,890	173	[3]	119	[3]	116	[3]
1987	1,170	[3]	214	[3]	179	[3]	[3]	[3]
1988	1,289	[3]	[3]	[3]	166	[3]	132	[3]
1989	1,258	[3]	[3]	[3]	133	[3]	47	[3]
1990	2,433	[3]	952	[3]	482	[3]	[3]	[3]

	JANUARY 1 ON FARM TOTAL[1]	MAY 1 ON FARM TOTAL
	1,000 Tons	1,000 Tons
HAY		
1980	1,798	360
1981	2,382	745
1982	2,165	289
1983	1,958	267
1984	2,185	281
1985	2,023	218
1986	1,495	179
1987	2,100	689
1988	2,057	366
1989	1,591	159
1990	1,243	318

[1] Beginning in 1987, estimate dates are December 1, March 1, June 1 and September 1. [2] No estimate this quarter.
[3] Not published to avoid disclosure.

HAY: Acreage, Yield, Production and Value, 1910-1989

Year	Alfalfa			Other Hay			All Hay	
	Acreage Harvested	Yield Per Acre	Production	Acreage Harvested	Yield Per Acre	Production	Season Average Price	All Hay Value of Production
	1,000 Acres	Tons	1,000 Tons	1,000 Acres	Tons	1,000 Tons	Dollars	1,000 Dollars
1910	—	—	—	—	—	—	11.40	17,203
1915	—	—	—	—	—	—	9.50	17,727
1920	217	2.15	467	939	1.52	1,425	16.60	31,407
1925	212	2.60	551	964	1.32	1,268	11.70	21,282
1930	255	2.65	676	871	1.40	1,221	9.20	17,452
1935	254	2.55	648	895	1.15	1,032	8.70	14,616
1940	300	2.55	765	787	1.41	1,111	10.30	19,323
1945	246	2.65	652	912	1.45	1,318	21.60	42,552
1946	234	2.60	608	828	1.49	1,231	24.30	44,688
1947	234	2.65	620	844	1.42	1,197	24.60	44,698
1948	211	2.65	559	850	1.51	1,287	27.00	49,842
1949	248	2.55	632	722	1.24	898	26.00	39,780
1950	263	2.75	723	757	1.32	998	25.00	43,025
1951	274	2.75	754	717	1.21	867	28.40	46,036
1952	279	2.90	809	727	1.45	1,057	27.90	52,061
1953	310	2.85	884	718	1.52	1,088	20.20	39,834
1954	294	2.80	823	709	1.39	989	21.40	38,777
1955	309	2.70	834	725	1.31	947	26.60	47,375
1956	318	3.00	954	724	1.45	1,050	23.20	46,493
1957	331	2.85	943	683	1.50	1,024	16.00	31,472
1958	314	2.90	911	639	1.42	908	18.10	32,924
1959	320	2.80	896	618	1.44	891	25.50	45,568
1960	336	2.85	958	693	1.46	1,011	23.10	45,484
1961	346	2.90	1,003	645	1.49	959	21.90	42,968
1962	360	2.85	1,026	661	1.43	946	23.10	45,553
1963	378	2.90	1,096	666	1.51	1,003	23.90	50,166
1964	389	2.85	1,109	726	1.47	1,066	25.70	55,898
1965	397	3.00	1,191	653	1.52	995	25.80	56,399
1966	393	2.95	1,159	673	1.46	985	27.00	57,888
1967	401	2.90	1,163	678	1.64	1,113	24.00	54,624
1968	390	2.85	1,112	576	1.61	927	25.50	51,995
1969	410	3.20	1,312	605	1.62	983	26.00	59,670
1970	415	3.10	1,287	602	1.61	969	26.00	58,656
1971	432	2.95	1,274	618	1.65	1,020	31.00	71,114
1972	428	3.00	1,284	622	1.60	995	33.50	76,347
1973	415	3.20	1,328	622	1.55	964	52.50	120,330
1974	410	3.30	1,353	630	1.70	1,071	57.50	139,380
1975	420	3.50	1,470	620	1.70	1,054	59.50	150,178
1976	410	3.60	1,476	640	1.60	1,024	63.50	158,750
1977	425	3.70	1,573	600	1.60	960	56.50	143,115
1978	435	3.80	1,653	640	1.75	1,120	49.00	135,877
1979	415	3.70	1,536	645	1.60	1,032	64.00	164,352
1980	425	4.20	1,785	645	1.85	1,193	79.50	236,751
1981	425	4.10	1,743	635	1.80	1,143	60.00	173,160
1982	420	4.20	1,764	650	1.85	1,203	75.00	222,525
1983	440	4.20	1,848	670	1.90	1,273	75.00	234,075
1984	445	4.10	1,825	660	1.95	1,287	73.00	227,176
1985	450	4.05	1,823	630	1.85	1,166	76.50	228,659
1986	460	4.20	1,932	650	1.85	1,202	65.00	203,710
1987	400	4.20	1,680	650	1.75	1,138	68.00	191,624
1988	385	4.10	1,579	650	1.65	1,073	76.00	201,552
1989	400	4.30	1,720	650	1.80	1,170	85.00	245,650

PEPPERMINT: Acreage, Yield and Production, by Area, 1988-1989

District	1988			1989		
	Acreage Harvested	Yield Per Acre	Production	Acreage Harvested	Yield Per Acre	Production
	Acres	Pounds	Pounds	Acres	Pounds	Pounds
Northwest	18,970	77.1	1,462,340	23,500	68.6	1,613,070
Northcentral	120	65.5	7,860	—	—	—
Northeast	890	72.3	64,390	930	76.1	70,780
Southeast	20,020	65.2	1,305,410	22,070	64.9	1,432,150
State Total	40,000	71.0	2,840,000	46,500	67.0	3,116,000

FERTILIZER: Commercial Usage, 1984-1989

Year [1]	Kind of Fertilizer				Primary Nutrients			
	Mixtures	Direct Appl. Materials		Total	Total Nitrogen	Available Phosphoric Acid	Potash	Total NPK [2]
		Primary Nutrient	Secondary & Micro-Nutr.					
	Tons							
1984	93,885	409,661	12,130	515,676	144,335	80,178	30,245	254,758
1985	154,763	383,289	18,623	556,675	138,174	40,392	24,632	203,198
1986	154,812	374,819	11,707	541,338	137,466	38,998	23,747	200,212
1987	126,135	366,410	9,588	502,133	125,931	34,436	28,005	188,372
1988	139,401	371,542	12,647	523,590	131,312	37,032	29,288	197,631
1989	142,529	419,227	14,609	576,364	143,369	40,374	26,049	209,792

[1] Year ends June 30.
[2] The sums of the individual items may not equal totals due to rounding.
Source: Tennessee Valley Authority.

FERTILIZER: Direct Application Materials Consumption, 1985-1989

Material	1985	1986	1987	1988	1989
	Tons				
NITROGEN MATERIALS					
Anhydrous Ammonia	21,481	22,086	17,252	19,386	22,640
Aqua Ammonia	30,312	24,060	22,626	17,788	25,031
Ammonium Nitrate	19,455	22,561	20,576	21,759	23,357
Ammonium Sulfate	68,987	67,031	66,551	69,950	86,353
Nitrogen Solutions	106,479	99,790	78,773	71,815	84,812
Urea	75,368	79,058	77,266	83,431	83,281
Other	45,822	33,665	30,673	30,172	47,417
PHOSPHATE MATERIALS					
Phosphoric Acid	—	—	1,150	2,131	3,091
Superphosphates (over 22%)	7,373	5,634	2,819	3,317	4,432
Other	431	2,093	3,186	5,890	431
POTASH MATERIALS					
Chloride grades	30,094	30,070	37,972	38,161	32,347
Other	4,629	6,279	7,566	7,698	5,747

Source: Tennessee Valley Authority.

ALL POTATOES: Acreage, Yield, Production and Value, 1870-1989

Year	Acreage		Yield	Production	Season Average Price	Value of Production
	Planted	Harvested				
	1,000 Acres		Cwt.	1,000 Cwt.	Dollars	1,000 Dollars
1870	—	5.0	62	312	1.42	442
1875	—	8.0	85	682	1.45	988
1880	—	9.0	74	664	.98	653
1885	—	15.0	64	963	.60	578
1890	—	18.0	59	1,069	1.08	1,158
1895	—	28.0	59	1,663	.65	1,081
1900	—	31.0	63	1,953	.75	1,465
1905	—	40.0	64	2,544	1.00	2,544
1910	—	42.0	53	2,218	1.32	2,920
1915	—	54.0	58	3,143	1.13	3,562
1920	—	38.0	78	2,964	1.45	4,298
1925	—	32.0	68	2,170	2.78	6,039
1930	34.0	34.0	93	3,162	.95	3,004
1935	47.0	41.0	81	3,321	.92	3,044
1940	35.0	35.0	144	5,040	.60	3,024
1945	52.0	52.0	144	7,488	2.00	14,976
1950	36.5	36.5	217	7,920	1.48	11,740
1951	30.5	30.5	213	6,485	2.85	18,434
1952	30.5	30.5	232	7,090	3.22	22,807
1953	38.5	38.5	208	7,998	1.24	9,951
1954	38.0	38.0	219	8,305	2.20	18,371
1955	37.0	36.0	215	7,755	1.70	13,132
1956	37.5	37.5	234	8,790	1.78	15,556
1957	37.5	37.5	250	9,375	1.75	16,354
1958	39.5	39.5	254	10,020	1.18	11,855
1959	35.9	35.5	245	8,680	2.14	18,361
1960	34.5	34.5	227	7,838	2.47	19,407
1961	40.0	40.0	247	9,865	1.27	12,498
1962	37.0	37.0	240	8,871	1.49	13,177
1963	34.0	34.0	267	9,090	1.80	16,393
1964	35.0	35.0	241	8,425	3.23	27,088
1965	38.5	38.5	238	9,180	2.01	18,439
1966	41.5	41.5	250	10,385	2.06	21,282
1967	50.0	49.0	270	13,252	1.75	23,155
1968	44.5	44.5	264	11,768	1.93	22,717
1969	48.2	46.7	285	13,308	2.01	26,746
1970	54.5	53.6	284	15,229	1.78	27,139
1971	48.3	47.5	289	13,723	1.73	23,744
1972	40.8	40.7	355	14,436	2.75	39,674
1973	44.0	41.9	380	15,929	3.88	61,535
1974	50.7	50.0	350	17,482	3.88	67,883
1975	56.4	55.5	440	24,408	3.20	77,869
1976	65.9	65.6	441	28,913	2.71	78,269
1977	60.3	60.0	426	25,550	2.89	73,705
1978	69.5	67.6	421	28,488	2.76	78,607
1979	65.5	63.0	402	25,310	2.83	71,590
1980	48.0	47.0	420	19,745	4.60	90,761
1981	55.0	54.0	402	21,710	4.50	97,228
1982	53.5	52.5	402	21,105	3.90	82,310
1983	49.2	48.5	427	20,710	4.65	96,172
1984	58.0	56.5	416	23,525	4.75	112,105
1985	62.0	61.0	441	26,888	3.55	95,618
1986	53.0	52.0	446	23,172	4.20	96,965
1987	56.0	55.0	471	25,924	3.45	89,953
1988	46.0	45.0	461	20,735	4.80	99,638
1989	51.0	50.0	466	23,308	5.85	135,742

POTATOES: Acreage, Yield and Production, by Counties, 1988-1989

District and County	1988 Acreage Harvested	1988 Yield Per Acre	1988 Production	1989 Acreage Harvested	1989 Yield Per Acre	1989 Production
	Acres	Cwt.	Cwt.	Acres	Cwt.	Cwt.
NORTHWEST:						
Clackamas	280	354	99,000	300	343	103,000
Marion	280	360	102,000	650	360	234,000
Multnomah	250	360	91,000	350	351	123,000
Washington	450	424	191,000	500	390	195,000
TOTAL	1,260	383	483,000	1,800	364	655,000
NORTHCENTRAL:						
Morrow	13,500	536	7,230,000	13,800	538	7,424,000
TOTAL	13,500	536	7,230,000	13,800	538	7,424,000
NORTHEAST:						
Umatilla	10,800	525	5,254,000	14,600	514	7,499,000
Union	530	425	225,000	680	401	273,000
Wallowa	350	323	113,000	250	320	80,000
TOTAL	10,880	514	5,592,000	15,530	506	7,852,000
SOUTHEAST:						
Crook	1,000	404	404,000	1,100	392	431,000
Deschutes	360	406	146,000	350	394	138,000
Jefferson	1,600	404	647,000	1,500	392	588,000
Klamath	9,700	384	3,724,000	10,100	392	3,959,000
Malheur	6,400	375	2,400,000	5,200	390	2,028,000
TOTAL	19,060	384	7,321,000	18,250	391	7,144,000
OTHER COUNTIES:	300	363	109,000	620	376	233,000
STATE TOTAL	45,000	461	20,735,000	50,000	466	23,308,000

POTATOES: Production, Farm Disposition, Season Average Price and Value, 1986-1989

Crop Year	Production	Farm Disposition				Price Per Cwt.	Value of	
		Used on Farm			Sold		Production	Sales
		Total	Seed, Feed & Household Use	Shrink and Loss				
	1,000 Cwt.					Dollars	1,000 Dollars	
1986	23,172	2,693	268	2,425	20,479	4.20	96,965	85,682
1987	25,924	2,980	260	2,720	22,944	3.45	89,953	79,685
1988	20,735	2,360	210	2,150	18,375	4.80	99,638	88,156
1989	23,308	2,305	180	2,125	21,003	5.85	135,742	122,180

POTATOES: Utilization Per Capita, United States, 1982-1989

Item	1982	1983	1984	1985	1986	1987	1988	1989[1]
	Million Cwt.							
Production	335.1	333.7	362.0	406.6	361.7	389.3	356.4	370.4
	Pounds							
Consumption, Per Capita[2]	114.4	118.1	122.1	122.4	125.7	125.9	123.2	126.2
Fresh	46.8	49.7	48.8	46.7	49.4	48.9	51.4	49.8
Processed[3] [4]	67.6	68.4	73.3	75.7	76.3	77.0	71.8	76.4
Canned[5]	1.9	1.9	1.8	1.9	1.8	1.8	1.9	2.0
Frozen	38.4	38.9	43.4	45.1	45.8	47.1	42.6	46.1
Shoestrings & Chips	17.2	17.9	18.1	17.7	18.2	17.7	17.3	17.8
Dehydrated	10.1	9.7	10.0	11.0	10.5	10.4	10.0	10.5

[1] Preliminary. [2] Furnished by ERS. [3] Fresh-weight basis. [4] Includes flour. [5] Includes potatoes canned in soups, stews, and other combinations.

POTATOES: Stocks, December 1 - May 1, Oregon, 1980-1989 Crop Years

State and Crop Year	December 1	Following Year				
		January 1	February 1	March 1	April 1	May 1
Oregon	1,000 Cwt.					
1980	13,300	11,300	9,600	7,500	5,800	3,600
1981	15,200	12,700	10,500	8,300	5,800	4,000
1982	15,100	13,200	11,300	9,400	6,700	4,600
1983	14,000	12,100	9,600	8,300	6,500	4,500
1984	15,400	12,900	11,000	8,700	6,400	4,500
1985	18,500	15,700	13,300	10,500	8,000	5,800
1986	17,000	14,900	12,700	10,100	7,800	5,800
1987	17,900	16,100	14,200	11,800	9,500	7,500
1988	15,300	13,100	11,100	8,700	6,300	4,500
1989	13,800	12,100	10,000	7,800	5,900	4,100

POTATOES: Used for Processing[1], Eight States, 1988 and 1989 Crops

Area and Storage Season	To December 1	Following Year					Entire Season
		To January 1	To February 1	To March 1	To April 1	To May 1	
Washington and Other Oregon Counties[2]	1,000 Cwt.						
1988-89	19,200	23,455	27,280	31,960	37,575	41,795	51,555
1989-90	23,635	28,015	33,170	38,610	44,510	49,595	57,695
Idaho & Malheur County, Oregon[3]							
1988-89	18,740	24,270	29,420	34,720	41,360	48,080	64,425
1989-90	22,200	28,140	34,240	40,270	46,330	51,810	66,010
Other States[4]							
1988-89	7,490	9,640	11,870	14,100	16,570	18,990	25,300
1989-90	8,395	10,670	13,370	15,535	17,860	20,310	27,510
EIGHT-STATE TOTAL							
1988-89	45,430	57,365	68,570	80,780	95,505	108,865	141,280
1989-90	54,230	66,825	80,780	94,415	108,700	121,715	151,215

[1] Total quantity received and used for processing, regardless of the state in which the potatoes were produced.
[2] Includes processing totals of Washington plus Oregon but excluding Malheur County.
[3] Includes processing totals of Idaho plus Malheur County, Oregon.
[4] Maine, Michigan, Minnesota, North Dakota and Wisconsin.

POTATOES: Acreage, Yield and Production, and Value, United States, 1988-1989

Seasonal Groups and State	1988					1989				
	Harvested Acres	Yield Per Acre	Production	Price Per Cwt.	Value of Production	Harvested Acres	Yield Per Acre	Production	Price Per Cwt.	Value of Production
	1,000 Acres	Cwt.	1,000 Cwt.	Dollars	1,000 Dollars	1,000 Acres	Cwt.	1,000 Cwt.	Dollars	1,000 Dollars
Winter	12.3	213	2,616	10.50	27,490	13.1	211	2,764	20.50	56,341
Spring	79.8	252	20,110	6.83	137,629	88.9	235	20,852	11.20	233,455
Summer	91.8	220	20,154	7.55	151,451	93.5	237	22,155	10.40	228,616
Fall										
Idaho	347.0	296	102,610	5.40	554,094	353.0	290	102,475	7.10	727,573
Oregon:										
Malheur County	6.4	375	2,400	3.70	8,880	5.2	390	2,028	4.50	9,126
Other Counties	38.6	475	18,335	4.95	90,758	44.8	475	21,280	5.95	126,616
Washington	115.0	550	63,250	4.50	284,625	118.0	545	64,310	5.15	331,197
Total Fall States	1,075.4	292	313,558	5.82	1,827,401	1,086.0	299	324,673	6.76	2,198,551
Total United States	1,259.3	283	356,438	6.02	2,143,971	1,281.5	289	370,444	7.36	2,716,963

GRASS SEED by Type: Production, 1930-1989[1]

Year	Alfalfa	Bentgrass	All Kentucky Bluegrass[2]	Clover		Fescue			Orchard-grass	Ryegrass	
				Crimson	Red	Chewings	Red	Tall		Annual	Perennial
	Million Pounds										
1930	.4	N/A	—	N/A	1.4	N/A	N/A	N/A	—	N/A	N/A
1935	.7	N/A	—	N/A	1.3	N/A	N/A	N/A	—	N/A	N/A
1940	1.0	.8	—	.6	1.6	.4	*	.2	—	27.5	1.7
1941	.4	.9	—	2.0	1.5	.8	*	.2	—	24.0	2.3
1942	.4	.8	—	2.4	1.7	1.0	.1	.3	—	30.0	3.3
1943	.4	.7	—	.7	1.6	.9	.2	.5	—	23.0	3.2
1944	.3	.9	.5	—	1.6	1.0	.2	.7	—	31.0	4.6
1945	.5	1.0	—	.6	1.5	1.3	.4	1.0	—	39.5	4.5
1946	.5	1.1	—	.5	2.4	2.8	1.1	1.6	—	51.0	5.6
1947	.3	1.5	—	.5	3.4	2.9	1.4	2.0	—	47.5	6.1
1948	.4	1.5	—	.6	3.6	3.2	1.9	3.4	—	32.7	6.5
1949	.8	1.4	—	.4	3.2	2.4	.7	2.8	—	42.2	5.6
1950	1.3	2.2	—	.9	3.4	3.5	1.6	5.5	—	72.5	7.0
1951	2.4	1.7	—	1.6	3.3	2.1	.9	6.1	—	66.0	8.0
1952	3.7	2.3	.1	2.7	2.0	5.0	1.7	9.1	—	90.4	12.1
1953	1.8	3.1	.3	1.3	2.5	4.4	1.7	5.8	—	66.0	16.6
1954	1.6	3.2	.4	1.2	2.5	6.8	3.6	4.3	—	105.8	22.4
1955	2.4	4.4	.4	2.1	3.4	8.0	1.5	5.0	—	121.5	31.4
1956	2.5	5.5	.8	2.4	2.4	5.1	1.6	3.8	—	89.0	43.1
1957	3.1	7.8	1.2	4.2	4.5	7.8	2.4	4.0	—	67.0	35.5
1958	3.4	6.0	.8	4.2	3.4	5.9	2.1	2.0	—	63.4	28.1
1959	3.6	6.7	1.6	6.5	3.3	10.6	4.7	3.4	.2	136.4	45.1
1960	5.9	5.1	1.4	8.0	4.8	11.0	4.9	3.6	.3	106.8	43.2
1961	9.4	5.9	1.4	6.2	4.2	7.5	4.0	3.8	.5	90.0	46.3
1962	10.6	6.2	2.0	8.2	3.6	9.0	4.8	5.7	.9	123.3	57.6
1963	10.2	7.8	7.5	7.2	6.0	6.3	3.8	7.3	2.0	97.3	48.5
1964	10.4	9.6	9.8	9.1	6.7	7.9	5.3	10.1	3.6	123.3	56.4
1965	6.9	7.7	10.5	4.8	4.3	6.3	5.7	10.1	5.3	113.5	47.0
1966	7.0	8.4	15.7	5.9	3.5	7.2	6.7	10.5	6.9	112.5	39.4
1967	8.1	8.0	17.0	6.3	2.3	7.4	8.5	10.4	6.2	91.4	45.6
1968	5.2	6.5	17.8	5.4	1.1	5.8	6.5	9.0	7.2	125.2	41.4
1969	5.8	5.7	14.2	6.1	4.7	7.4	6.3	10.8	9.6	152.3	36.7
1970	7.1	7.4	12.9	8.0	6.1	7.3	6.2	9.5	10.4	186.3	32.0
1971	6.3	10.1	18.9	2.9	4.9	8.7	7.8	13.7	11.9	223.4	41.0
1972	6.8	9.5	16.7	2.0	4.6	6.8	6.4	10.4	14.1	176.2	34.8
1973	6.4	9.6	14.6	2.3	3.4	7.7	7.3	13.3	15.6	168.8	40.0
1974	7.4	9.2	16.9	1.4	3.8	6.8	7.8	10.1	11.9	176.1	42.4
1975	6.0	7.8	16.8	2.0	4.2	5.8	6.7	9.5	10.4	183.6	43.2
1976	4.6	6.7	10.7	3.7	3.9	5.4	6.6	6.0	9.2	176.9	35.2
1977	6.1	6.8	9.4	3.8	5.0	5.5	6.0	6.2	8.0	231.2	39.6
1978	4.8	4.1	13.1	3.2	5.5	5.4	6.5	6.7	11.2	200.1	40.8
1979	4.2	4.5	12.2	4.6	5.2	8.5	5.2	7.2	13.6	206.4	49.6
1980	4.6	6.1	17.7	2.9	6.0	10.7	6.0	9.4	14.5	204.0	63.2
1981	4.2	7.2	19.7	6.0	6.3	8.9	5.8	8.1	9.0	175.6	66.2
1982	2.8	7.3	19.9	5.8	6.8	9.6	6.5	11.4	20.3	204.0	68.4
1983	3.3	6.6	12.3	4.7	8.1	6.8	5.0	16.3	22.1	184.8	64.0
1984	3.8	6.2	13.1	6.5	8.8	9.2	6.6	24.1	21.3	201.3	66.0
1985	5.0	4.1	11.4	6.4	7.3	10.1	7.4	37.9	23.5	216.0	63.4
1986	5.2	4.0	14.8	6.4	7.0	8.4	6.3	46.0	22.3	207.1	71.4
1987	5.2	4.3	19.3	6.3	7.0	9.9	8.0	57.4	20.6	200.9	91.6
1988	6.1	4.4	20.6	4.7	7.4	10.3	7.3	77.3	20.1	208.3	108.7
1989	5.4	5.9	21.4	5.2	9.8	12.0	7.6	81.3	18.8	205.5	121.5

* Less than 50,000 pounds.
[1] 1981-1989 data from OSU Extension Service.
[2] 1952-1962 includes Merion Kentucky Bluegrass only.

GRASS SEEDS BY TYPE: ACREAGE, YIELD, PRODUCTION AND VALUE, 1986-1989

Commodity	Acreage Harvested	Yield	Production	Season Average Price	Value of Production
	Acres	Lbs./Acre	Million Pounds	$/Cwt.	1,000 Dollars
Alfalfa					
1986	9,900	520	5.2	107.30	5,573
1987	10,420	500	5.2	115.40	6,043
1988	10,400	590	6.1	125.00	7,649
1989	10,000	540	5.4	106.20	5,759
Bentgrass					
1986	11,370	353	4.0	169.23	6,791
1987	12,150	354	4.3	195.45	8,416
1988	12,900	342	4.4	248.97	10,992
1989	14,070	419	5.9	265.83	15,655
Bluegrass, All Kentucky					
1986	23,540	630	14.8	104.70	15,526
1987	26,850	720	19.3	106.50	20,552
1988	29,750	690	20.6	102.40	21,122
1989	30,840	690	21.4	62.90	13,461
Clover, Crimson					
1986	9,250	700	6.4	27.90	1,800
1987	8,550	740	6.3	25.00	1,575
1988	7,030	670	4.7	54.50	2,549
1989	7,390	710	5.2	56.10	2,929
Clover, Red					
1986	19,950	350	7.0	100.00	6,992
1987	21,440	330	7.0	85.20	6,000
1988	22,700	320	7.4	105.20	7,750
1989	24,230	400	9.8	81.90	7,987
Fescue, Chewings					
1986	14,230	590	8.4	60.10	5,027
1987	14,280	690	9.9	65.90	6,501
1988	14,730	700	10.3	85.90	8,813
1989	16,780	710	12.0	66.00	7,906
Fescue, Red					
1986	11,130	570	6.3	59.80	3,766
1987	11,260	710	8.0	64.90	5,201
1988	11,050	660	7.3	77.70	5,647
1989	11,130	680	7.6	60.70	4,601
Fescue, Tall					
1986	45,650	1,010	46.0	56.50	26,015
1987	58,240	990	57.4	51.80	29,728
1988	68,500	1,130	77.3	63.60	49,187
1989	85,000	960	81.3	52.90	42,981
Orchardgrass					
1986	26,200	850	22.3	52.30	11,688
1987	25,400	810	20.6	61.20	12,576
1988	24,200	830	20.1	61.90	12,423
1989	22,390	840	18.8	48.90	9,175
Ryegrass, Annual					
1986	116,000	1,790	207.1	13.10	27,124
1987	112,500	1,790	200.9	18.10	36,368
1988	113,500	1,840	208.3	21.40	44,466
1989	112,000	1,830	205.5	21.10	43,422
Ryegrass, Perennial					
1986	73,000	980	71.4	50.40	36,028
1987	89,000	1,030	91.6	49.50	45,303
1988	98,500	1,100	108.7	51.90	56,371
1989	106,000	1,150	121.5	48.60	59,018
All Other Grass Seed					
1986	15,845	—	—	—	4,369
1987	17,635	—	—	—	4,753
1988	19,710	—	—	—	5,060
1989	16,660	—	—	—	4,641

Source: Extension Economic Information Office, Oregon State University.

Tree Fruits and Nuts

Utilized 1989 production of tree fruit and nut crops in Oregon decreased 3 percent compared to 1988 and was 14 percent less than 1987 production. The total value of these crops was 24 percent less than a year earlier and 11 percent less than two years earlier.

Oregon ranked third among the states in all pear production for 1989, accounting for 23 percent of the nation's utilized production. The state ranked second in production of pears other than Bartletts, producing 41 percent of the U.S. crop. Oregon hazelnut production amounted to 98 percent of national production. The state's sweet cherry production was second to Washington, accounting for 27 percent of the U.S. utilized production. Oregon ranked fourth nationally in tart cherry production, producing 6.2 percent of the U.S. total. The state ranked as the eighth largest apple producer with 1.6 percent of national production.

Pears other than Bartletts were the most valuable tree fruit crop in Oregon in 1989, with value of utilized production 19 percent below 1988 but 18 percent above 1987. Production was 2 percent above 1988 but 1 percent below 1987.

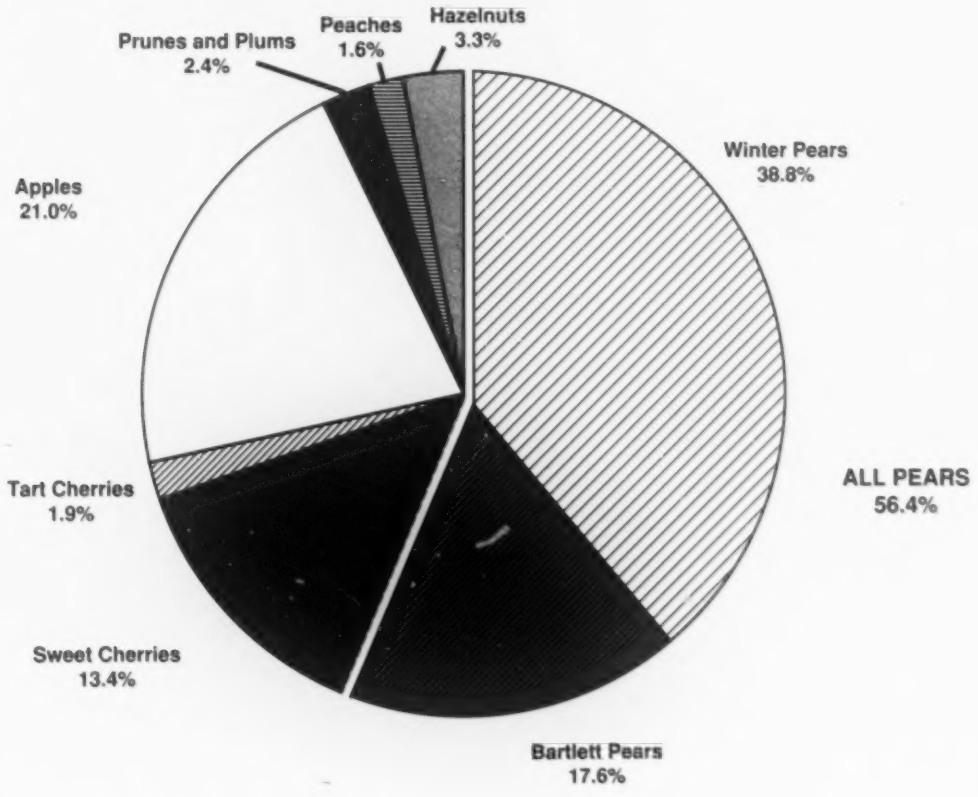
The 1989 sweet cherry crop was the third largest ever, but 15 percent less than the record set in 1988 and 6 percent less than 1987. Value of production ranked second in tree fruits and nuts and also was the third largest on record, but 28 percent less than last year's record and 25 percent less than two years earlier.

Apples ranked as the fifth most valuable tree fruit or nut crop in Oregon for 1989. Apple production was 3 percent more than 1988 but 22 percent less than 1987. Value of production was down 57 and 29 percent, respectively, from the last two years. Bartlett pear production in 1989 was 1 percent less than a year earlier and 14 percent less than two years earlier. Value of production was the highest ever and was 2 percent higher than 1988 and 23 percent higher than 1987.

Hazelnuts were the fourth most valuable crop, with 1989 production 21 percent less than 1988 and 40 percent less than 1987. The crop's value was 25 percent below the prior year and 49 percent below 1987.

Peach production was down 4 percent and value was down 15 percent from 1988. Production of prunes and plums decreased 50 percent and total value decreased 36 percent. The tart cherry crop increased nearly fourfold and value was up nearly threefold.

VALUE OF PRODUCTION: PERCENT OF TOTAL, BY FRUIT AND NUT CROP, OREGON, 1989



TREE FRUIT AND NUT CROPS: Utilized Production, Average Price, and Value, 1986-89

Crop by Years	Utilized Production[1]	Average Price[1]	Value of Utilized Production[1]	Fresh Market		Processing	
	Tons	Dollars Per Ton	Thousand Dollars	Tons	Dollars Per Ton	Tons	Dollars Per Ton
Apples							
1986	52,500	212.00	11,081	38,500	250.00	14,000	104.00
1987	102,500	108.00	11,145	62,500	154.00	40,000	37.30
1988	77,500	238.00	18,370	55,000	298.00	22,500	87.70
1989	80,000	100.00	7,947	51,500	120.00	28,500	62.30
Sweet Cherries							
1986	38,000	663.00	25,187	8,500	860.00	29,500	606.00
1987	54,000	690.00	37,248	13,000	995.00	41,000	593.00
1988	60,000	647.00	38,820	16,000	834.00	44,000	579.00
1989	51,000	549.00	28,002	15,000	650.00	36,000	507.00
Tart Cherries							
1986	3,000	320.00	960	200	320.00	2,800	320.00
1987	3,100	110.00	340	300	180.00	2,800	102.00
1988	2,000	390.00	780	250	600.00	1,750	360.00
1989	7,500	300.00	2,252	1,000	380.00	6,500	288.00
Bartlett Pears							
1986	50,000	243.00	12,161	19,000	348.00	31,000	179.00
1987	78,000	183.00	14,255	23,000	175.00	55,000	186.00
1988	68,000	253.00	17,223	15,500	410.00	52,500	207.00
1989	67,000	263.00	17,600	20,500	330.00	46,500	233.00
Other Pears							
1986	112,000	331.00	37,036	—	—	—	—
1987	150,000	197.00	29,613	—	—	—	—
1988	145,000	300.00	43,486	—	—	—	—
1989	148,000	237.00	35,090	—	—	—	—
Peaches							
1986	6,500	546.00	3,554	—	—	—	—
1987	7,000	550.00	3,847	—	—	—	—
1988	6,500	562.00	3,657	—	—	—	—
1989	6,250	494.00	3,093	—	—	—	—
Prunes & Plums							
1986	19,000	161.00	3,064	—	—	—	—
1987	15,000	147.00	2,211	—	—	—	—
1988	18,000	140.00	2,526	—	—	—	—
1989	9,000	179.00	1,609	—	—	—	—
Hazelnuts							
1986	14,900	724.00	10,788	—	—	—	—
1987	21,500	956.00	20,544	—	—	—	—
1988	16,300	853.00	13,904	—	—	—	—
1989	12,800	817.00	10,458	—	—	—	—
State Total							
1986	295,900	—	103,831	—	—	—	—
1987	431,100	—	119,203	—	—	—	—
1988	393,300	—	138,766	—	—	—	—
1989	381,550	—	106,051	—	—	—	—

[1] Both Fresh Market and Processing.

FRUIT CROPS: Utilized Production, by Area, 1986-1989

Area and Year	Apples	Sweet Cherries	Tart Cherries	Bartlett Pears	Other Pears
			Tons		
Willamette Valley[1]					
1986	3,702	9,180	2,990	1,490	—
1987	8,315	15,170	3,090	1,720	30
1988	8,316	17,550	1,990	1,870	40
1989	11,283	15,910	7,490	2,100	70
Southwest[2]					
1986	2,218	620	—	22,650	48,610
1987	3,467	530	—	24,230	67,100
1988	2,984	560	—	18,440	46,580
1989	3,347	470	—	23,100	55,180
Mid-Columbia[3]					
1986	35,704	26,600	—	25,860	63,380
1987	55,849	35,650	—	52,050	82,850
1988	35,349	38,800	—	47,690	98,370
1989	40,936	31,060	—	41,800	92,730
Milton-Freewater[4]					
1986	9,664	1,160	—	—	—
1987	33,497	800	—	—	—
1988	28,224	1,050	—	—	—
1989	21,504	1,290	—	—	—
Other					
1986	1,212	440	10	—	10
1987	1,372	1,850	10	—	20
1988	2,627	2,040	10	—	10
1989	2,930	2,270	10	—	20
State Total					
1986	52,500	38,000	3,000	50,000	112,000
1987	102,500	54,000	3,100	78,000	150,000
1988	77,500	60,000	2,000	68,000	145,000
1989	80,000	51,000	7,500	67,000	148,000

[1] Benton, Clackamas, Lane, Linn, Marion, Multnomah, Polk, Washington and Yamhill Counties.
[2] Douglas, Jackson and Josephine Counties.
[3] Hood River, Sherman and Wasco Counties.
[4] Umatilla County.

PROCESSED UTILIZATION: Apples, Sweet Cherries, 1986-1989

Crop and Year	Processed (Fresh Equivalent Basis)				
	Canned	Juice & Cider	Brined	Other	Total
			Tons		
Apples					
1986	—	4,750	—	9,250	14,000
1987	—	31,000	—	9,000	40,000
1988	—	11,500	—	11,000	22,500
1989	—	17,500	—	11,000	28,500
Sweet Cherries					
1986	2,900	—	24,300	2,300	29,500
1987	4,100	—	33,000	3,900	41,000
1988	8,600	—	31,000	4,400	44,000
1989	5,000	—	26,000	3,000	36,000

APPLES AND SWEET CHERRIES: Utilized Production, Price and Value, 1890-1989

Year	Apples			Sweet Cherries		
	Production	Price	Value	Production	Price	Value
	Tons	Dollars Per Ton	1,000 Dollars	Tons	Dollars Per Ton	1,000 Dollars
1890	32,250	—	—	—	—	—
1895	40,950	—	—	—	—	—
1900	55,200	—	—	—	—	—
1905	43,200	—	—	—	—	—
1910	91,200	40.80	3,724	—	—	—
1915	78,350	34.60	2,709	—	—	—
1920	105,600	46.70	4,928	—	—	—
1925	122,400	52.50	6,426	—	—	—
1930	144,000	39.10	5,640	—	—	—
1935	82,150	29.60	2,430	13,200	—	—
1940	75,500	30.40	2,297	20,300	98.00	1,989
1945	63,500	122.00	7,776	19,700	259.00	5,102
1946	71,300	104.00	7,425	30,000	263.00	7,890
1947	68,250	65.40	4,465	10,800	211.00	2,279
1948	61,650	87.50	5,393	18,500	258.00	4,773
1949	64,100	39.20	2,510	31,200	129.00	4,025
1950	66,700	33.80	2,252	17,400	252.00	4,385
1951	51,350	55.40	2,846	16,700	274.00	4,576
1952	55,200	76.20	4,207	17,100	183.00	3,129
1953	40,550	99.40	4,030	25,500	266.00	6,783
1954	59,750	68.40	4,084	25,400	279.00	7,087
1955	51,600	61.20	3,160	31,000	191.00	5,921
1956	40,100	87.00	3,490	15,200	292.00	4,438
1957	69,600	40.40	2,813	18,200	313.00	5,697
1958	48,700	46.70	2,274	25,500	311.00	7,930
1959	48,700	70.40	3,428	24,900	343.00	8,541
1960	43,200	73.80	3,188	12,800	377.00	4,826
1961	40,800	86.80	3,541	26,700	332.00	8,864
1962	52,800	71.20	3,759	34,000	257.00	8,738
1963	64,800	50.80	3,292	17,500	328.00	5,740
1964	46,100	55.40	2,554	25,000	285.00	7,125
1965	55,900	66.60	3,723	20,100	366.00	7,357
1966	60,000	68.60	4,116	31,800	381.00	12,116
1967	62,000	111.00	6,870	39,000	397.00	15,483
1968	43,500	116.00	5,063	15,700	476.00	7,473
1969	83,500	58.20	4,860	35,000	320.00	11,200
1970	57,500	88.60	5,095	40,000	330.00	13,200
1971	62,500	102.00	6,350	32,700	273.00	8,764
1972	52,500	116.00	6,069	20,000	434.00	8,400
1973	83,500	130.00	10,855	37,000	310.00	12,543
1974	82,500	124.00	10,230	33,500	373.00	12,496
1975	75,000	96.00	7,200	36,500	347.00	12,666
1976	85,000	144.00	12,240	39,000	350.00	13,650
1977	73,500	184.00	13,524	37,500	428.00	16,050
1978	71,000	222.00	15,762	35,000	630.00	22,050
1979	85,000	220.00	18,700	38,000	544.00	20,672
1980	97,500	152.00	14,802	31,800	500.00	15,900
1981	77,500	228.00	17,682	37,000	544.00	20,122
1982	75,000	200.00	15,045	35,000	617.00	21,586
1983	77,500	202.00	15,675	42,000	486.00	20,396
1984	65,000	202.00	13,114	29,500	491.00	14,489
1985	80,000	252.00	20,200	27,000	621.00	16,761
1986	52,500	212.00	11,081	38,000	663.00	25,187
1987	102,500	108.00	11,145	54,000	690.00	37,248
1988	77,500	238.00	18,370	60,000	647.00	38,820
1989	80,000	100.00	7,947	51,000	549.00	28,002

BARTLETT PEARS AND OTHER PEARS: Utilized Production, Price and Value, 1925-1989

Year	Bartlett Pears			Other Pears		
	Production	Price	Value	Production	Price	Value
	Tons	Dollars Per Ton	1,000 Dollars	Tons	Dollars Per Ton	1,000 Dollars
1925	17,025	77.20	1,314	24,350	118.00	2,873
1930	33,775	34.00	1,148	54,475	54.80	2,985
1935	35,550	30.80	1,095	49,275	51.60	2,543
1936	39,700	34.00	1,350	50,525	63.20	3,193
1937	32,200	38.80	1,249	56,500	46.80	2,644
1938	31,600	19.70	796	60,725	42.80	2,599
1939	41,125	35.50	1,530	59,375	44.00	2,612
1940	43,900	38.40	1,686	60,325	55.20	3,330
1945	55,250	109.60	6,055	78,050	139.60	10,896
1946	54,750	124.10	6,795	93,625	151.20	14,156
1947	49,375	110.80	5,471	93,725	95.20	8,923
1948	45,900	106.40	4,884	73,100	108.80	7,953
1949	59,250	62.00	2,157	75,750	106.40	4,151
1950	46,250	95.60	4,422	88,750	61.20	5,432
1951	52,000	90.00	4,680	62,625	80.00	5,010
1952	53,750	56.00	3,010	74,750	92.80	6,937
1953	56,500	66.00	3,729	82,500	59.20	4,884
1954	36,025	84.40	3,041	60,250	78.40	4,724
1955	65,100	73.20	4,765	76,375	75.20	5,743
1956	61,725	87.60	5,407	89,125	84.80	7,558
1957	59,900	65.60	3,929	87,250	76.80	6,701
1958	54,200	68.00	3,686	71,750	69.20	4,965
1959	52,000	66.20	3,444	75,800	92.80	7,034
1960	44,800	89.20	3,996	60,900	100.00	6,090
1961	52,000	82.80	4,306	65,800	94.00	6,185
1962	71,800	53.60	3,848	80,000	80.40	6,432
1963	33,500	112.00	3,752	47,800	89.60	4,263
1964	56,200	76.80	4,316	61,500	82.40	5,065
1965	67,000	146.00	9,782	86,600	99.20	8,591
1966	71,000	65.50	4,651	92,500	91.70	8,482
1967	71,000	175.00	12,425	80,000	128.00	10,240
1968	44,000	128.00	5,632	49,000	162.00	7,938
1969	82,000	88.00	7,216	109,000	98.00	10,682
1970	39,000	116.00	4,524	51,000	127.00	6,477
1971	83,000	80.00	6,640	96,000	103.00	9,888
1972	51,000	122.00	6,222	59,000	174.00	10,266
1973	73,000	117.00	8,541	98,000	156.00	15,288
1974	72,000	172.00	12,384	103,000	142.00	14,626
1975	79,000	116.00	9,164	91,000	168.00	15,288
1976	75,000	101.00	7,575	125,000	129.00	16,125
1977	79,000	102.00	8,058	100,000	166.00	16,600
1978	55,500	195.00	10,823	96,000	237.00	22,752
1979	85,000	172.00	14,620	120,000	224.00	26,880
1980	80,000	170.00	13,604	120,000	202.00	24,288
1981	85,000	115.00	9,805	117,000	224.00	26,228
1982	70,000	130.00	9,104	105,000	268.00	28,142
1983	63,000	149.00	9,400	125,000	188.00	23,473
1984	44,000	217.00	9,569	106,000	288.00	30,542
1985	75,000	230.00	17,282	118,000	302.00	35,588
1986	50,000	243.00	12,161	112,000	331.00	37,036
1987	78,000	183.00	14,255	150,000	197.00	29,613
1988	68,000	253.00	17,223	145,000	300.00	43,486
1989	67,000	263.00	17,600	148,000	237.00	35,090

HAZELNUTS AND PRUNES & PLUMS: Utilized Production, Price and Value, 1925-1989

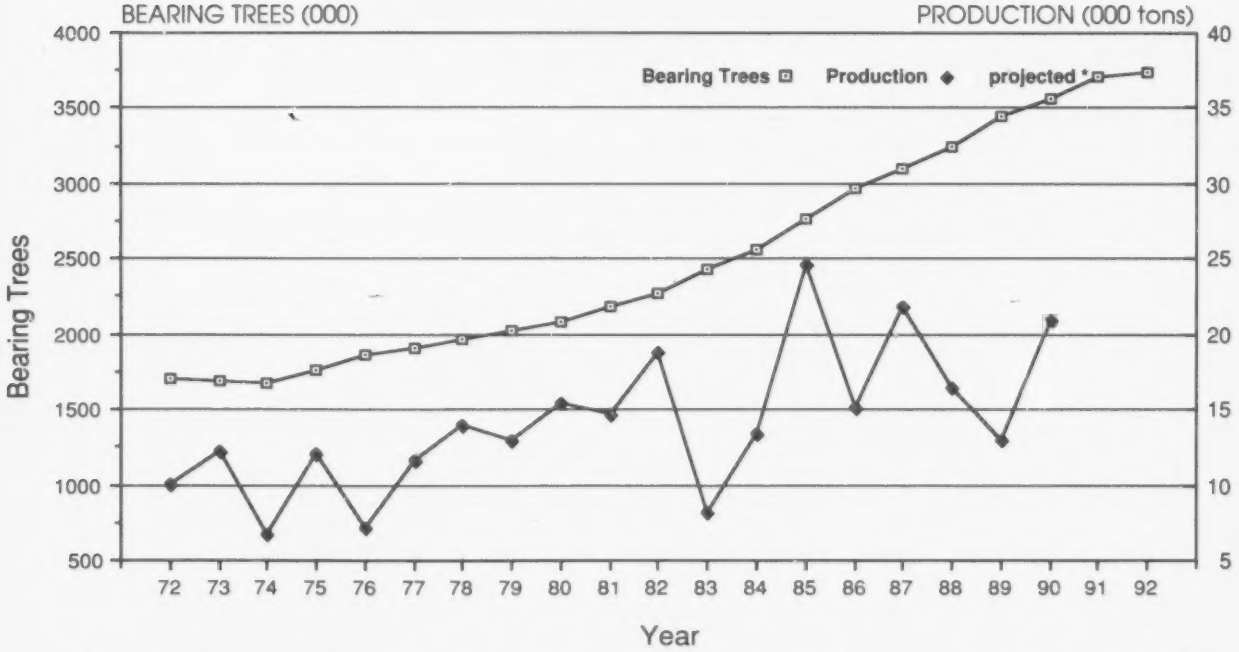
Year	Hazelnuts			Prunes & Plums		
	Production	Price	Value	Production	Price	Value
	Tons	Dollars Per Ton	1,000 Dollars	Tons	Dollars Per Ton	1,000 Dollars
1925	—	—	—	49,300	47.32	2,333
1930	300	340.00	102	87,300	26.70	2,334
1935	1,100	260.00	286	133,700	17.50	2,335
1936	1,850	270.00	500	133,000	20.00	2,663
1937	2,230	215.00	479	56,900	27.50	1,565
1938	2,060	220.00	453	70,500	17.10	1,203
1939	3,300	220.00	726	137,400	15.30	2,096
1940	2,700	240.00	648	36,600	32.20	1,179
1941	4,900	300.00	1,470	66,100	30.20	1,998
1942	3,500	346.00	1,211	57,500	49.80	2,863
1943	6,100	500.00	3,050	99,200	68.90	6,833
1944	5,500	540.00	2,970	57,100	78.10	4,458
1945	4,500	550.00	2,475	80,400	77.10	6,202
1946	7,300	380.00	2,774	96,900	77.00	7,458
1947	7,700	250.00	1,925	30,900	78.50	2,424
1948	5,100	260.00	1,326	37,900	68.20	2,586
1949	9,600	220.00	2,112	77,900	41.60	3,240
1950	5,350	350.00	1,872	22,300	105.00	2,342
1951	5,850	350.00	2,048	57,200	67.80	3,878
1952	10,780	296.00	3,191	43,500	81.90	3,563
1953	4,200	344.00	1,445	44,200	69.70	3,081
1954	7,850	320.00	2,512	42,500	61.10	2,597
1955	7,400	420.00	3,108	51,900	67.20	3,488
1956	2,900	510.00	1,479	59,000	49.40	2,915
1957	11,700	300.00	3,510	29,000	56.70	1,644
1958	7,100	380.00	2,698	19,700	97.20	1,915
1959	9,500	376.00	3,572	44,000	66.60	2,930
1960	8,400	420.00	3,528	4,000	163.00	652
1961	11,100	380.00	4,218	27,400	99.60	2,729
1962	7,300	440.00	3,212	46,000	64.00	2,944
1963	6,600	470.00	3,102	6,300	139.00	876
1964	7,800	440.00	3,432	23,000	61.80	1,421
1965	7,300	450.00	3,285	28,000	70.90	1,985
1966	11,700	390.00	4,563	25,000	65.60	1,640
1967	7,000	492.00	3,444	30,500	79.10	2,413
1968	7,000	518.00	3,626	11,000	109.00	1,199
1969	7,100	550.00	3,905	32,000	66.30	2,122
1970	8,750	570.00	4,988	20,300	97.20	1,973
1971	11,000	414.00	4,554	16,700	67.40	1,126
1972	9,600	508.00	4,877	8,400	182.00	1,529
1973	11,700	570.00	6,669	25,800	128.00	3,302
1974	6,400	560.00	3,584	28,000	134.00	3,752
1975	11,800	610.00	7,198	27,500	103.00	2,833
1976	6,950	640.00	4,448	29,000	107.00	3,103
1977	11,400	687.00	7,832	25,000	128.00	3,200
1978	13,700	805.00	11,029	17,000	170.00	2,890
1979	12,200	951.00	12,078	23,000	184.00	4,232
1980	15,100	1,151.00	17,386	33,000	150.00	4,950
1981	14,400	786.00	11,319	25,000	157.00	3,925
1982	18,400	680.00	12,512	19,000	174.00	3,313
1983	8,000	554.00	4,432	16,000	169.00	2,705
1984	13,200	617.00	8,144	14,000	169.00	2,368
1985	24,300	677.00	16,451	22,000	163.00	3,641
1986	14,900	724.00	10,788	19,000	161.00	3,064
1987	21,500	956.00	20,554	15,000	147.00	2,211
1988	16,300	853.00	13,904	18,000	140.00	2,526
1989	12,800	817.00	10,458	9,000	179.00	1,609

Commercial Hazelnut Operations Statistics*, by County and State

County and State	1980 - 1981 Survey			1984 - 1985 Survey			1988 - 1989 Survey		
	Operations	Acres	Trees	Operations	Acres	Trees	Operations	Acres	Trees
Clackamas	146	3,310	384,300	141	3,990	535,500	128	4,470	609,800
Lane	132	2,810	281,100	125	2,690	300,900	108	2,960	345,600
Linn	34	620	69,800	32	840	111,200	44	1,320	188,700
Marion	192	3,460	415,600	207	4,620	614,000	187	5,240	704,200
Polk	23	1,430	228,300	21	1,900	307,200	32	2,270	353,700
Washington ...	247	5,310	557,700	246	5,410	600,600	222	5,560	651,400
Yamhill	194	4,160	515,700	200	5,160	690,800	200	6,190	782,600
Other Oregon ..	72	480	57,600	62	480	53,000	48	450	50,500
Orogon	1,040	21,580	2,510,100	1,034	25,090	3,213,200	969	28,460	3,686,500
Washington ...	41	430	48,400	29	400	50,300	20	360	45,000
TOTAL	1,081	22,010	2,558,500	1,063	25,490	3,263,500	989	28,820	3,731,500

* Based on surveys conducted during December through March. Includes operations having 50 or more trees.

HAZELNUT BEARING TREES AND PRODUCTION - 1989
OREGON AND WASHINGTON



*Projected bearing tree numbers are based on new plantings, allowing 4 years to begin production, but do not take into account removal of older trees.

Oregon Vineyards and Wineries, 1989

Total 1989 production of wine grapes in Oregon decreased 4 percent from a year earlier, to 7,450 tons. Harvested area, at 3,400 acres, remained the same as in 1988 but yield per acre declined 0.09 tons to 2.19 tons per acre. The Columbia Basin and Douglas County were the areas showing the largest decreases in yield with drops of 47 percent and 39 percent respectively. These areas were the hardest hit by the early February 1989 freeze. All parts of the Willamette Valley report higher yields in 1989 except Lane and Linn counties.

Total acreage planted to wine grapes in Oregon increased 6 percent to 5,247 acres. The Rogue Valley, the South Willamette Valley and Yamhill County led the way with, respectively 14 percent, 13 percent and 12 percent more acres in 1989 than in 1988. There were 367 newly planted acres in the State during 1989. The number of Oregon vineyards also increased from 310 in 1988 to 320 operations in 1989.

Of the dozen leading varieties in Oregon, White Riesling had the highest yield per acre in 1989 at 3.07 tons per acre. The lowest yield was 1.38 tons per acre reported for Pinot Gris. The major three varieties remain: Pinot Noir with 2,118 tons produced in 1989; White Riesling with 1,944 tons; and Chardonnay with 1,822 tons. Together these three varieties accounted for 79 percent of the 1989 tonnage, 77 percent of harvested acreage and 72 percent of total acreage.

Prices strengthened dramatically for the 1989 crop as the average value came to $740 per ton or 21 percent more than in 1988.

All of the twelve leading varieties showed price increases over the previous season. As a result of the good price year, the value of production was up 77 percent to $5.51 million.

Oregon wineries crushed 6,835 tons of wine grapes from the 1989 crop, an increase of 7 percent over the 1988 crush but 6 percent less than 1987. Eleven percent of the 1989 crush was shipped out of state versus 5 percent in 1988. There were 77 wineries in the State with 70 of them crushing wine grapes from the 1989 season. Total cooperage capacity of the 77 wineries was 2.22 million gallons, 12 percent more than in 1988 and 16 percent above 1987.

Purchased grapes accounted for 59 percent of the total crush in 1989, one percentage point more than in 1988. Estate grown grapes were 34 percent of 1989's crop versus 35 percent in 1988. Finally, custom crush accounted for 7 percent of the total.

The three top varieties, Pinot Noir at 2,058 tons crushed, Chardonnay at 1,789 tons and White Riesling at 1,613 tons, were up 6 percent, up 32 percent and showed no change, respectively. Muller-Thurgau and Pinot Gris also had increased tonnage crushed for 1989. Cabernet Sauvignon, Gewurztraminer and Sauvignon Blanc showed decreases.

Nearly 87 percent of the crust was made into varietal wines, 7 percent into sparkling wines and 6 percent into proprietary or generic wines. In 1988, 89 percent was varietal, 7 percent sparkling and 4 percent proprietary or generic.

WINE GRAPE ACRES, YIELD, PRODUCTION, PRICE AND VALUE BY VARIETY, 1988 and 1989[1]

Variety	Total Acres		Harvested Acres		Yield Per Harvested Acre		Total Production		Price Per Ton		Value of Production	
	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
	Acres		Acres		Tons		Tons		Dollars		1,000 Dollars	
Cabernet Sauvignon	267	294	200	192	2.12	1.94	424	373	651	753	276	281
Chardonnay	1,116	1,161	853	910	2.03	2.00	1,729	1,822	738	900	1,276	1,640
Chenin Blanc	48	50	33	20	4.42	2.65	146	53	386	442	56	23
Gewurztraminer	324	306	232	159	2.51	1.78	582	283	416	539	242	153
Merlot	84	93	57	15	2.33	1.80	133	27	645	870	86	23
Muller Thurgau	167	161	78	103	3.22	2.66	251	274	440	492	110	135
Pinot Gris	177	211	93	104	1.09	1.38	101	144	793	830	80	120
Pinot Noir[2]	1,553	1,767	1,031	1,060	2.03	2.00	2,090	2,118	777	910	1,624	1,927
Sauvignon Blanc	149	159	107	86	1.66	1.94	178	167	568	639	101	107
Semillon	60	52	12	9	2.33	2.78	28	25	447	539	13	13
White Riesling	882	853	634	634	3.00	3.07	1,903	1,944	405	490	771	953
Zinfandel	19	28	10	13	2.40	1.46	24	19	604	652	14	12
All Other[3]	121	112	60	95	2.68	2.12	161	201	491	627	79	126
Total	4,967	5,247	3,400	3,400	2.28	2.19	7,750	7,450	610	740	4,728	5,513

[1] Some figures revised from earlier publications.
[2] In 1987 Gamay Beaujolais included in All Other. 1988 includes Gamay Beaujolais, a Pinot Noir clone.
[3] 1988 includes these varieties: Cabernet Franc, Flame, Flora, Gamay Noir, Golden Muscat, Marechal Foch, Malbec, Pinot Blanc, Pinot Munier, Sylvaner, Symphony.

WINE GRAPE VINEYARDS, Acreage, Yield and Production by County, 1988 and 1989[1]

County	Number of Vineyards		Total Acres		Harvested Acres		Yield Per Acre		Production	
	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
			Acres						Tons	
Benton	15	18	116	150	68	78	1.50	1.92	102	150
Clackamas	14	15	63	72	49	56	1.55	1.73	76	97
Douglas	35	37	368	386	259	220	2.74	1.68	710	369
Hood River	6	6	21	21	12	11	2.17	1.36	26	15
Jackson	25	24	195	209	120	132	2.06	2.65	247	350
Josephine	15	16	167	202	118	112	3.02	1.60	356	179
Lane	22	21	234	245	149	146	2.04	1.83	304	267
Linn	3	3	49	47	42	41	1.60	1.17	67	48
Marion	19	21	164	170	108	109	1.84	2.35	199	256
Morrow	4	4	678	660	522	292	3.21	1.53	1,676	447
Polk	38	37	880	873	601	705	1.90	2.03	1,139	1,430
Umatilla	3	3	73	73	49	10	1.65	1.50	81	15
Wasco	8	8	64	73	49	52	1.94	1.94	95	101
Washington	25	28	806	853	480	621	2.06	2.23	987	1,387
Yamhill	75	76	1,078	1,202	766	807	2.18	2.89	1,637	2,330
Other Counties	3	3	11	11	8	8	1.50	1.13	12	9
State Total	310	320	4,967	5,247	3,400	3,400	2.28	2.19	7,750	7,450

[1] Some figures revised from earlier publications.

OREGON WINERIES, Tons Crushed and Cooperage by Area, 1988 and 1989

Area	Number of Wineries		Number of Wineries Crushing Grapes		Wine Grapes Crushed		Total Cooperage	
	1988	1989	1988	1989	1988	1989	1988	1989
					Tons		1,000 Gallons	
Polk County	11	11	11	10	598	844	160.7	182.7
Washington County[1]	10	10	7	7	1,228	1,685	318.9	444.5
Yamhill County	18	21	18	20	2,382	2,624	814.2	801.2
East[2]	13	14	11	13	338	360	159.0	159.0
South Valley[3]	6	6	6	6	739	433	189.2	210.4
Douglas County	7	8	7	7	556	337	154.1	178.6
Rogue Valley[4]	6	7	6	7	564	552	195.9	246.2
State Total	71	77	66	70	6,405	6,835	1,992.0	2,222.6

[1] Includes Clatsop and Tillamook Counties.
[2] Clackamas, Hood River, Linn, Marion, Morrow & Multnomah Counties.
[3] Benton and Lane Counties.
[4] Jackson and Josephine Counties.

WINE GRAPE CRUSH BY OREGON WINERIES BY USE, 1989

Variety and Wine Type	Varietal	Sparkling	Proprietary or Generic	Total	Variety as Percent of Total
	Tons	Tons	Tons	Tons	Percent
Cabernet Sauvignon, Red	237	—	7	244	3.5
Cabernet Sauvignon, Blanc	41	—	—	41	.6
Chardonnay	1,613	166	10	1,789	26.2
Chenin Blanc	31	—	24	55	.8
Gewurztraminer	182	—	64	246	3.6
Merlot	27	—	—	27	.4
Muller Thurgau	202	—	67	269	3.9
Muscat Ottonel	8	—	17	25	.4
Pinot Gris	148	—	—	148	2.1
Pinot Noir, Red	1,689	254	43	1,986	29.1
Pinot Noir, Blanc	72	—	—	72	1.1
Sauvignon Blanc	122	—	8	130	1.9
Semillon	12	—	8	20	.3
White Riesling	1,409	52	152	1,613	23.6
Zinfandel	20	—	—	20	.3
All Other	126	8	16	150	2.2
Total	5,939	480	416	6,835	100.0

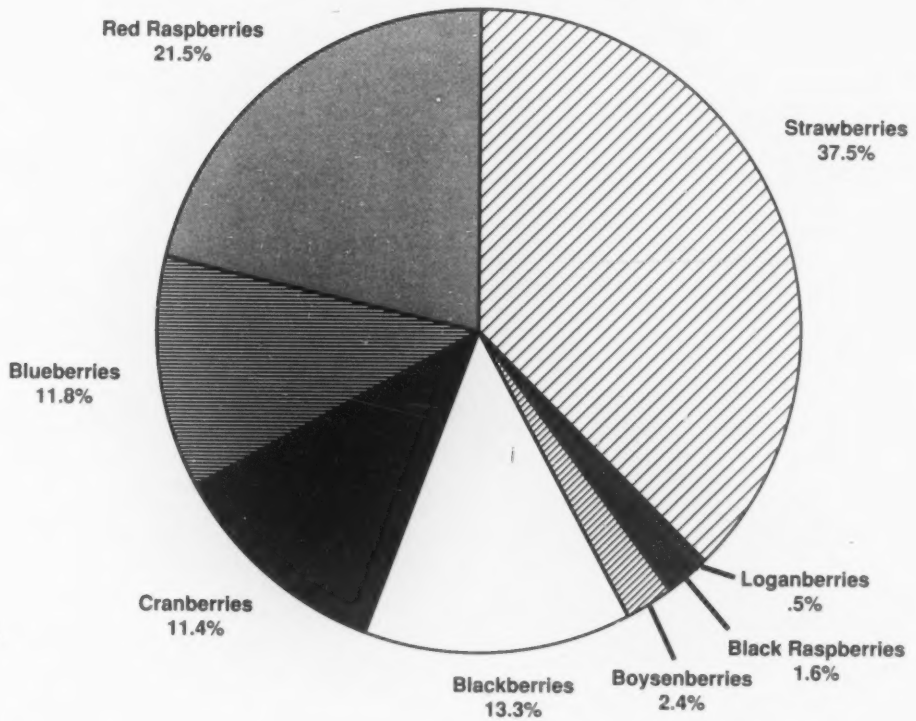
BERRIES

For 1989, total utilized production of all berry crops estimated in Oregon came to 149 million pounds, 22 percent less than the 1988 crop. Total 1989 Oregon caneberry utilized production, at 54.7 million pounds, was 14 percent below the previous year. Strawberries remained the largest berry crop with 65.1 million pounds produced in 1989, although this was 36 percent fewer pounds than the record 1988 crop. Red raspberries and blueberries were the only crops with production higher than the previous year, with increases of 32 and 10 percent. Loganberries, Marion blackberries and Boysenberries were the caneberry crops most affected by the February 1989 freeze and showed production declines of 52, 44 and 43 percent respectively. Cranberry production increased 20 percent to 18.3 million pounds.

Total value of production for Oregon's berry crops decreased 8 percent to 6.6 milllion dollars. All berry crops had higher average prices in 1989 than in 1988, except Evergreen blackberries, blueberries and cranberries. Red raspberries were the only crop with significantly higher total value this year than in 1988, up 35 percent. The total value of this year's Oregon blueberry crop was nearly unchanged at 7.71 million dollars.

Harvested area for all berry crops, at 19,670 acres, was 7 percent below a year earlier. The major acreage change was a decrease of 1,600 acres harvested or 21 percent for strawberries. Red raspberry and blueberry acreages actually increased 8 percent and 5 percent respectively.

VALUE OF PRODUCTION: PERCENT OF TOTAL, BY BERRY CROP, OREGON, 1989



BERRY CROPS: Acreage, Production, Value, and Disposition, 1987-1989

Crop and Year	Harvested	Yield Per Acre	Utilized Production			Price			Value of Utilized Production
			Total	Fresh	Processed	Fresh	Processed	All	
	Acres	Pounds	1,000 Pounds	1,000 Pounds		Cents/Lb.			1,000 Dollars
STRAWBERRIES									
1987	7,800	12,000	93,600	5,600	88,000	60.0	32.0	33.7	31,520
1988	7,800	13,000	101,400	6,400	95,000	62.0	28.9	31.0	31,423
1989	6,200	10,500	65,100	6,100	59,000	68.0	34.7	37.8	24,621
RED RASPBERRIES									
1987	3,500	6,140	21,500	600	20,900	76.0	50.0	50.7	10,906
1988	3,700	5,140	19,000	650	18,350	99.0	53.5	55.1	10,461
1989	4,000	6,250	25,000	600	24,400	94.0	55.5	56.4	14,106
BLACK RASPBERRIES									
1987	1,750	2,490	4,350	10	4,340	90.0	52.0	52.1	2,266
1988	1,500	2,500	3,750	20	3,730	88.0	34.5	34.8	1,305
1989	1,400	1,930	2,700	50	2,650	120.0	38.0	39.5	1,067
CULTIVATED BLACKBERRIES									
1987									
All	4,900	7,670	37,600	610	36,990	60.7	27.7	28.3	10,629
Evergreen	1,600	8,810	14,100	200	13,900	49.0	27.0	27.3	3,851
Marion	3,200	7,160	22,900	150	22,750	62.0	28.0	28.2	6,463
Other	100	6,000	600	260	340	69.0	40.0	52.5	315
1988									
All	4,400	7,720	33,950	1,100	32,850	58.1	30.0	30.9	10,498
Evergreen	1,550	8,450	13,100	500	12,600	57.0	30.5	31.5	4,128
Marion	2,700	7,330	19,800	300	19,500	69.0	29.5	30.1	5,960
Other	150	7,000	1,050	300	750	49.0	35.0	39.0	410
1989									
All	4,200	5,520	23,200	700	22,500	57.7	37.1	37.7	8,748
Evergreen	1,550	7,480	11,600	400	11,200	52.0	26.0	26.9	3,120
Marion	2,500	4,400	11,000	200	10,800	63.0	48.0	48.3	5,310
Other	150	4,000	600	100	500	70.0	49.5	53.0	318
BOYSENBERRIES									
1987	1,000	5,300	5,300	50	5,250	67.0	52.0	52.2	2,764
1988	950	5,680	5,400	100	5,300	73.0	42.4	43.0	2,320
1989	900	3,440	3,100	100	3,000	72.0	50.3	51.0	1,581
LOGANBERRIES									
1987	240	5,330	1,280	30	1,250	61.0	35.0	35.6	456
1988	240	5,670	1,360	10	1,350	67.0	35.0	35.3	480
1989	200	3,250	650	25	625	64.0	44.5	45.2	294
BLUEBERRIES [1]									
1987	1,200	7,690	9,230	N/A	N/A	N/A	N/A	60.1	5,550
1988	1,300	7,850	10,210	N/A	N/A	N/A	N/A	75.5	7,707
1989	1,370	8,190	11,220	N/A	N/A	N/A	N/A	68.7	7,708
CRANBERRIES									
1987	1,200	11,830	14,200	50	14,150	N/A	N/A	44.9	6,376
1988	1,300	11,850	15,400	100	15,300	N/A	N/A	44.9	6,915
1989	1,400	13,140	18,400	100	18,300	N/A	N/A	40.7	7,489
STATE TOTAL									
1987	20,390	—	187,060	—	—	—	—	—	70,467
1988	21,190	—	190,470	—	—	—	—	—	71,109
1989	19,670	—	149,370	—	—	—	—	—	65,614

[1] Blueberries as published by Extension Economic Information Office, Oregon State University.

BERRY CROPS: Acreage and Production, by Counties, 1987-1989

Commodity and County	Acreage			Production		
	1987	1988	1989	1987	1988	1989
	Acres			1,000 Pounds		
STRAWBERRIES						
Clackamas	750	760	690	9,570	10,392	6,907
Columbia	480	460	250	3,791	4,347	1,902
Lane	145	150	120	1,645	1,900	1,081
Linn	240	240	200	3,018	3,330	2,002
Marion	2,550	2,560	2,010	29,956	30,885	20,118
Multnomah	330	330	300	4,211	4,512	3,003
Washington	2,440	2,460	2,050	32,123	36,604	24,622
Yamhill	290	290	240	3,407	3,499	2,402
Other Counties	575	550	340	5,879	5,931	3,063
Total	7,800	7,800	6,200	93,600	101,400	65,100
RED RASPBERRIES						
Clackamas	1,675	1,750	1,900	10,489	8,778	11,832
Linn	270	275	320	1,500	1,434	1,860
Marion	250	275	300	1,515	1,434	1,930
Multnomah	860	900	950	5,472	4,514	5,916
Washington	180	200	225	1,127	1,244	1,612
Other Counties	265	300	305	1,397	1,596	1,850
Total	3,500	3,700	4,000	21,500	19,000	25,000
BLACK RASPBERRIES						
Clackamas	640	550	520	1,619	1,312	929
Lane	50	40	35	95	75	38
Linn	25	20	20	47	38	29
Marion	100	100	70	211	209	119
Multnomah	35	30	20	78	72	38
Polk	30	30	25	54	66	45
Washington	780	650	650	2,056	1,810	1,395
Yamhill	90	80	60	190	168	107
Total	1,750	1,500	1,400	4,350	3,750	2,700
BLACKBERRIES						
Benton	75	75	65	722	622	351
Clackamas	1,020	860	855	7,271	5,912	4,355
Lane	135	125	130	1,147	972	685
Linn	75	70	70	711	578	393
Marion	2,150	1,940	1,840	16,900	15,986	10,283
Multnomah	255	240	200	1,706	1,556	858
Polk	300	290	270	2,270	2,174	1,556
Washington	550	520	500	4,372	4,206	3,431
Yamhill	240	200	200	1,941	1,517	963
Other Counties	100	80	70	560	427	325
Total	4,900	4,400	4,200	37,600	33,950	23,200
BOYSENBERRIES						
Clackamas	140	130	120	700	726	353
Marion	530	520	520	2,743	2,906	1,783
Multnomah	60	60	60	330	373	176
Polk	55	50	30	330	259	103
Washington	85	80	70	510	580	357
Yamhill	80	80	70	480	414	240
Other Counties	50	30	30	207	142	88
Total	1,000	950	900	5,300	5,400	3,100
LOGANBERRIES						
Clackamas	60	60	45	300	312	135
Marion	160	160	140	880	928	470
Other Counties	20	20	15	100	120	45
Total	240	240	200	1,280	1,360	650

Source: Preliminary county estimates from Extension Economic Information Office, Oregon State University, adjusted to Oregon Agricultural Statistics Service state estimates.

ALL STRAWBERRIES: Acreage, Yield, Production and Value, 1920-1989

Year	Acreage		Yield	Production	Season Average Price/Lb.	Value of Production
	Planted	Harvested				
	1,000 Acres		Pounds	1,000 Pounds	Cents Per Pound	1,000 Dollars
1920	—	3.0	2,590	7,704	18.30	1,412
1925	—	6.2	3,310	20,520	11.10	2,280
1930	—	11.2	2,160	24,192	9.30	2,251
1935	—	9.9	2,160	21,384	5.30	1,129
1940	—	12.5	3,430	42,882[1]	5.10	2,092
1941	—	13.5	3,430	46,250	5.70	2,640
1942	—	11.9	2,930	34,844[1]	8.50	2,647
1943	—	7.5	1,900	14,262[1]	13.80	1,864
1944	—	5.3	2,930	15,524[1]	18.40	2,797
1945	—	6.0	2,580	15,494[1]	18.10	2,744
1946	7.5	7.5	3,420	25,618	27.80	7,116
1947	11.0	11.0	2,860	31,430[1]	17.80	5,288
1948	15.0	15.0	3,920	58,864[1]	20.20	11,605
1949	14.5	14.0	2,900	40,600[1]	14.80	5,835
1950	14.0	14.0	3,070	42,980	22.40	9,615
1951	15.7	14.5	2,220	32,190	17.20	5,521
1952	15.3	15.3	3,610	55,233	15.40	8,481
1953	15.5	15.5	4,020	62,310	16.60	10,356
1954	15.2	15.2	3,890	59,128	15.20	9,008
1955	17.5	17.5	4,770	83,475	15.90	13,265
1956	16.8	16.8	4,210	70,728	15.80	11,195
1957	18.5	18.3	5,000	91,500	8.60	7,905
1958	16.0	15.6	4,400	68,640	12.50	8,609
1959	15.6	15.6	5,700	88,920	13.60	12,064
1960	14.5	14.5	5,000	72,500	14.40	10,448
1961	13.0	13.0	5,200	67,600	12.80	8,641
1962	14.0	14.0	6,100	85,400	13.40	11,445
1963	14.0	14.0	4,950	69,300	12.60	8,766
1964	14.0	13.9	7,200	100,100	14.30	14,292
1965	14.0	11.5	5,200	59,800	16.00	9,583
1966	12.5	12.5	7,700	96,300	17.50	16,848
1967	13.2	13.2	6,900	91,100	14.20	12,932
1968	12.2	12.0	5,900	70,800	16.70	11,856
1969	12.4	12.0	5,800	69,600	17.20	11,994
1970	11.4	11.0	6,500	71,500	15.90	11,372
1971	10.0	10.0	8,300	83,000	15.10	12,512
1972	8.3	8.2	6,700	54,900	17.80	9,791
1973	7.7	7.4	6,600	48,800	23.90	11,680
1974	7.5	6.7	6,200	41,500	25.60	10,620
1975	6.0	5.8	7,200	41,800	23.00	9,610
1976	5.3	5.2	9,200	47,800	28.50	13,622
1977	5.4	5.3	6,600	35,000	28.50	9,979
1978	5.2	5.0	6,800	34,000	27.00	9,183
1979	5.3	5.2	8,200	42,600	33.70	14,370
1980	5.3	5.2	8,900	46,300	33.10	15,333
1981	5.6	5.5	9,300	51,200	35.40	18,126
1982	5.9	5.8	10,000	58,000	43.90	25,435
1983	7.0	6.9	11,500	79,400	39.00	30,988
1984	6.8	6.6	9,200	60,700	24.90	15,138
1985	7.0	6.8	7,400	50,300	31.10	15,619
1986	7.5	7.3	8,700	63,500	45.80	29,107
1987	8.0	7.8	12,000	93,600[1]	33.70	31,520
1988	8.0	7.8	13,000	101,400	31.00	31,423
1989	6.8	6.2	10,500	65,100	37.80	24,621

[1] Includes some quantities not marketed and excluded in computing value: 1,260,000 pounds in 1938; 1,800,000 pounds in 1940; 3,600,000 pounds in 1942; 720,000 pounds in 1943; 324,000 pounds in 1944; 360,000 pounds in 1945; 1,800,000 pounds in 1947; 1,440,000 pounds in 1948; 1,016,000 pounds in 1949; 18,500,000 pounds in 1987.

Vegetables

Fresh Market and Dual Purpose

Production of fresh market and dual purpose vegetable crops in Oregon during 1989 totaled 8.56 million hundredweight, up 4 percent from 1988 and up 1 percent from 1987. The total value of these crops was $94.3 million in 1989, up 11 percent from a year earlier and up 13 percent from two years earlier. Oregon ranked fifth among the states in production of fresh market vegetables, accounting for 3.4 percent of United States production of these crops.

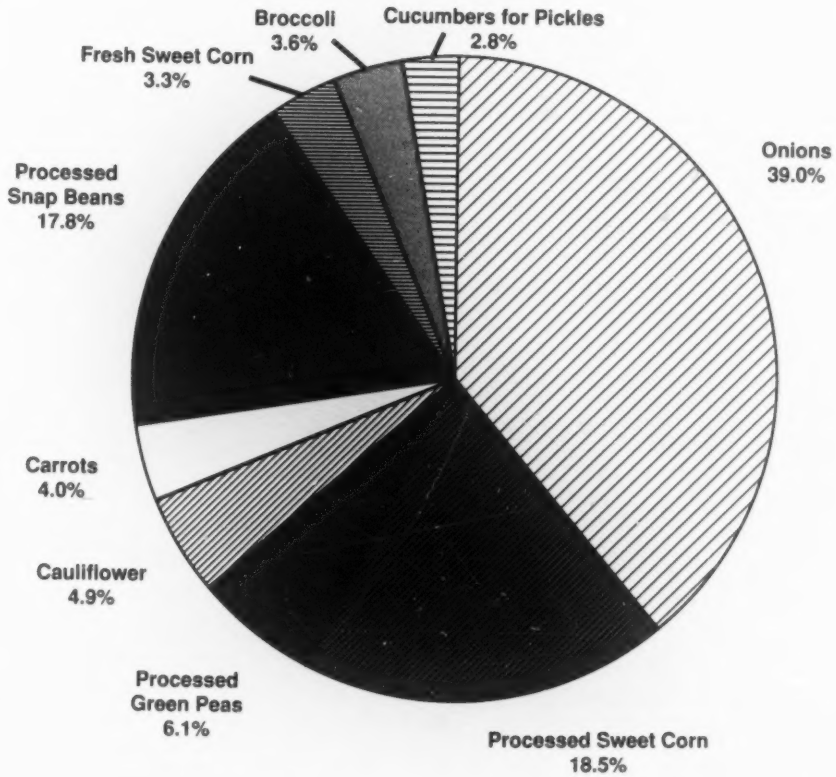
Sweet corn for fresh market production in Oregon totaled 276 thousand hundredweight, the same as the two previous seasons. Average value per hundredweight was down $2.00. Production of storage onions increased 1 percent to 6.71 million hundredweight. Total value of the Malheur County onion crop was up 7 percent, and other Oregon's crop value rose by 34 percent. Broccoli produced for fresh market and processing uses increased 10 percent, and total value improved 5 percent. Carrot production was up 46 percent and total value increased 28 percent. Cauliflower production was up 9 percent while total value was up 8 percent.

Processing

Processing vegetable production in Oregon during 1989 totaled 646 thousand tons, up 19 percent from 1988 and up 22 percent from 1987. Total value came to $77.8 million, 32 percent more than a year earlier. Acreage of processing vegetables harvested in Oregon was 107,700 acres, 22 percent more than 1988 and 14 percent more than 1987. Oregon ranked fifth among the states in area harvested and fourth in production of 1989 processing vegetables. The state's value of production for these crops ranked third nationally in 1989.

Snap bean production was up 39 percent from 1988 and the total value of the crop was up 41 percent. Production of sweet corn for processing in 1989 was 12 percent more than the previous year, and total value of production was up 26 percent. Cucumbers for pickle production went up 10 percent and value of the crop went up 2 percent. The green pea crop was 28 percent larger in 1989 than in 1988 and total value was up 47 percent.

VALUE OF PRODUCTION: PERCENT OF TOTAL, BY VEGETABLE CROP, 1989



VEGETABLE CROPS: Acreage, Production and Value, 1987-1989

Crop Year	Area Planted	Area Harvested	Yield	Production	Value Per Unit	Value
	Acres		Cwt.	1,000 Cwt.	$/Cwt.	1,000 Dollars
FRESH MARKET:						
Sweet Corn						
1987	2,500	2,400	115	276	18.20	5,023
1988	2,400	2,300	120	276	22.40	6,182
1989	2,600	2,400	115	276	20.40	5,630
Onions						
Malheur County						
1987	9,300	9,200	600	5,520	10.20	44,962
1988	10,300	10,100	530	5,353	10.50	48,699
1989	10,000	9,800	540	5,292	11.70	51,948
Other Oregon						
1987	3,600	3,600	420	1,512	13.20	16,315
1988	3,700	3,600	360	1,296	10.70	11,235
1989	3,500	3,500	405	1,418	12.80	15,104
DUAL PURPOSE:[1]						
Broccoli						
1987	3,100	3,000	105	315	19.50	6,134
1988	2,800	2,800	93	260	23.20	6,023
1989	3,100	3,100	92	285	22.10	6,303
Carrots						
1987	800	800	475	380	9.08	3,449
1988	1,000	950	540	513	10.50	5,373
1989	1,300	1,300	575	748	9.20	6,884
Cauliflower						
1987	3,700	3,600	140	504	14.50	7,314
1988	3,500	3,000	165	495	15.70	7,796
1989	3,200	3,000	180	540	15.60	8,437
	Acres		Tons	Tons	$/Ton	1,000 Dollars
PROCESSING:						
Snap Beans						
1987	20,400	20,300	5.81	117,940	178.00	20,993
1988	21,700	21,700	5.77	125,210	174.00	21,787
1989	25,800	25,700	6.77	173,990	176.00	30,622
Sweet Corn						
1987	39,300	38,900	8.84	343,880	64.20	22,077
1988	38,500	38,500	9.18	353,430	71.30	25,200
1989	45,600	45,500	8.68	394,940	80.50	31,793
Cucumbers						
1987	1,900	1,900	12.08	22,950	157.00	3,603
1988	2,200	2,200	12.10	26,620	177.00	4,712
1989	2,400	2,400	12.23	29,350	164.00	4,813
Green Peas						
1987	34,500	33,300	1.31	43,620	200.00	8,724
1988	26,400	26,000	1.44	37,440	192.00	7,188
1989	35,500	34,100	1.41	48,080	220.00	10,578
TOTAL:						
1987	119,100	117,000	--	953,740	—	138,594
1988	112,500	111,150	—	952,350	—	144,195
1989	133,000	130,800	—	1,074,310	—	172,112

[1] Includes fresh and processing.

MAJOR PROCESSING VEGETABLES AND ONIONS: Acreage and Production, by Counties, 1987-1989

Crop and County	1987		1988		1989	
	Harvested Acres	Production	Harvested Acres	Production	Harvested Acres	Production
	Acres	Tons	Acres	Tons	Acres	Tons
Sweet Corn, Processing						
Benton	2,700	22,700	2,930	26,900	3,650	31,450
Clackamas	1,440	13,100	1,390	13,500	1,420	12,650
Columbia	—	—	1,370	13,050	150	1,350
Lane	2,760	23,350	2,880	28,250	3,050	26,900
Linn	4,160	37,130	3,350	31,100	3,570	31,100
Marion	15,600	137,400	15,690	142,630	16,270	141,740
Multnomah	900	7,850	140	1,350	700	6,250
Polk	1,630	13,250	1,560	12,450	1,690	13,850
Washington	2,710	25,700	2,260	23,300	3,010	26,250
Yamhill	3,150	27,400	3,180	28,900	3,740	31,450
Malheur	3,650	34,050	3,550	30,100	4,200	35,350
Other Counties	200	1,950	200	1,900	4,050	36,600
TOTAL	38,900	343,880	38,500	353,430	45,500	394,940
Snap Beans, Processing						
Benton	2,020	12,025	1,920	10,445	2,180	14,415
Lane	1,760	11,250	2,100	12,290	3,460	22,180
Linn	1,900	10,925	2,050	11,580	2,070	14,310
Marion	10,800	62,940	11,450	67,020	13,250	92,900
Polk	490	2,710	710	4,155	750	5,260
Washington	730	4,050	700	4,095	860	5,600
Yamhill	1,380	8,535	1,650	9,660	1,800	12,620
Umatilla	1,000	4,065	1,000	5,235	1,100	5,070
Other Counties	220	1,440	120	730	230	1,635
TOTAL	20,300	117,940	21,700	125,210	25,700	173,990
Green Peas, Processing						
Marion	2,670	5,750	2,940	7,100	2,420	5,170
Umatilla	28,100	32,850	20,700	24,970	29,000	36,660
Other Counties	2,530	5,020	2,360	5,370	2,680	6,250
TOTAL	33,300	43,620	26,000	37,440	34,100	48,080
	Acres	1,000 Cwt.	Acres	1,000 Cwt.	Acres	1,000 Cwt.
Onions, Dry						
Clackamas	140	60	80	30	70	27
Marion	1,700	700	1,900	684	1,900	700
Washington	400	157	450	171	450	180
Yamhill	300	115	350	126	300	108
Malheur	9,200	5,520	9,800	5,034	9,500	5,163
Umatilla	970	440	1,020	561	1,000	500
Other Counties	90	40	100	43	80	32
TOTAL	12,800	7,032	13,700	6,649	13,300	6,710

Source: Preliminary county estimates from Extension Economic Information Office, Oregon State University, adjusted to Oregon Agricultural Statistics Service state estimates.

SNAP BEANS, Processing: Acreage, Yield, Production and Value, 1920-1989

Year	Acreage		Yield	Production	Season Average Price	Value of Production
	Planted	Harvested				
	Acres	Acres	Tons	Tons	$/Ton	1,000 Dollars
1920	—	200	2.60	500	58.96	29
1925	—	1,200	4.00	4,800	60.18	289
1930	880	880	3.50	3,100	60.00	186
1935	1,160	1,100	5.60	6,200	53.60	329
1936	1,340	1,340	5.70	7,600	56.60	430
1937	1,930	1,890	6.20	11,700	59.20	693
1938	2,650	2,600	5.30	13,800	48.80	673
1939	1,950	1,950	4.80	9,400	48.50	456
1940	2,300	2,210	6.80	15,000	51.10	766
1941	4,100	3,800	5.80	22,000	64.00	1,423
1942	4,100	4,000	5.30	21,200	103.70	2,198
1943	4,500	4,400	6.60	29,000	127.40	3,695
1944	4,600	4,500	6.20	27,900	130.40	3,638
1945	4,500	4,400	6.10	26,800	117.00	3,136
1946	4,900	4,800	6.00	28,800	124.10	3,574
1947	4,800	4,700	7.00	32,900	129.70	4,267
1948	5,400	4,900	7.00	34,300	131.70	4,517
1949	6,800	6,600	8.20	54,100	134.30	7,266
1950	6,700	6,600	8.10	53,500	125.70	6,725
1951	7,400	7,370	8.00	59,000	124.70	7,357
1952	6,600	6,550	7.90	51,700	121.50	6,403
1953	7,800	7,650	7.20	55,100	131.10	7,224
1954	9,700	9,400	7.60	71,400	133.10	9,503
1955	10,500	10,500	7.80	81,900	126.30	10,344
1956	10,700	10,600	7.30	77,400	128.20	9,923
1957	10,600	10,600	8.10	86,000	129.70	11,154
1958	10,700	10,700	8.30	88,800	124.10	11,020
1959	11,300	11,100	7.50	83,200	124.30	10,342
1960	12,000	11,700	7.10	83,100	125.00	10,388
1961	16,400	16,300	7.20	117,400	116.00	13,618
1962	16,400	16,300	6.90	112,500	119.00	13,388
1963	18,100	17,300	7.30	126,300	115.00	14,524
1964	19,300	19,200	5.80	111,400	117.00	13,034
1965	22,100	21,900	5.60	122,600	109.00	13,363
1966	25,000	24,700	5.30	130,900	112.00	14,661
1967	29,800	29,600	5.00	148,000	113.00	16,724
1968	30,600	29,000	5.30	153,700	108.00	16,600
1969	29,400	28,700	5.00	143,500	110.00	15,785
1970	28,100	27,700	4.77	132,150	104.00	13,744
1971	33,600	32,000	4.10	131,200	103.00	13,514
1972	35,900	35,000	3.71	129,900	111.00	14,419
1973	42,400	42,000	4.27	179,350	108.00	19,370
1974	44,800	43,600	4.20	183,200	207.00	37,922
1975	33,100	32,400	4.23	137,100	148.00	20,291
1976	29,900	29,300	4.65	136,250	133.00	18,121
1977	33,100	32,500	4.31	140,200	152.00	21,310
1978	36,000	35,600	4.27	152,100	142.00	21,570
1979	38,500	38,400	4.49	172,420	153.00	26,380
1980	32,100	31,100	5.16	160,480	155.00	24,874
1981	27,400	27,400	5.27	144,400	158.00	22,815
1982	26,300	25,700	5.19	133,380	169.00	22,541
1983	22,900	22,400	5.52	123,650	159.00	19,660
1984	24,600	23,900	5.37	128,340	176.00	22,588
1985	23,400	23,200	5.38	124,820	174.00	21,719
1986	22,500	22,300	6.22	138,710	174.00	24,136
1987	20,400	20,300	5.81	117,940	178.00	20,993
1988	21,700	21,700	5.77	125,210	174.00	21,787
1989	25,800	25,700	6.77	173,990	176.00	30,622

SWEET CORN, Processing: Acreage, Yield, Production and Value, 1934-1989

Year	Acreage		Yield	Production	Season Average Price	Value of Production
	Planted	Harvested				
	Acres	Acres	Tons	Tons	$/Ton	1,000 Dollars
1934	1,500	1,480	1.50	2,200	15.70	35
1935	3,300	2,600	1.40	3,600	15.70	57
1936	3,100	2,880	1.70	4,900	16.40	80
1937	4,300	4,000	2.40	9,600	13.90	133
1938	2,400	2,250	2.40	5,400	13.70	74
1939	1,900	1,770	2.20	3,900	12.90	50
1940	1,500	1,500	3.30	5,000	13.90	70
1941	2,500	2,450	4.30	10,500	17.10	180
1942	3,400	3,100	2.80	8,700	18.80	164
1943	4,900	4,700	3.50	16,400	26.80	440
1944	5,000	4,800	3.20	15,400	27.80	428
1945	5,800	5,700	3.60	20,500	28.90	592
1946	10,300	9,700	2.80	27,200	32.40	881
1947	11,400	11,200	3.80	42,600	32.90	1,402
1948	11,600	10,900	3.80	41,400	31.40	1,300
1949	12,800	11,900	4.40	52,400	28.20	1,478
1950	9,500	9,100	3.70	33,700	27.80	937
1951	14,900	13,700	4.00	54,800	32.90	1,803
1952	16,000	15,500	4.50	69,800	32.80	2,289
1953	18,400	17,800	4.60	81,900	32.50	2,662
1954	14,900	13,500	4.50	60,800	25.90	1,575
1955	12,000	11,500	4.70	54,000	27.40	1,480
1956	17,500	17,000	5.20	88,400	27.80	2,458
1957	15,400	15,100	5.35	80,800	27.60	2,230
1958	15,600	15,400	5.00	77,000	24.90	1,917
1959	17,900	17,700	5.29	93,600	27.20	2,546
1960	21,900	21,500	4.95	106,400	23.90	2,543
1961	29,200	26,700	4.62	123,400	23.90	2,949
1962	27,200	26,800	5.56	149,000	25.70	3,829
1963	23,900	23,000	5.21	119,800	26.40	3,163
1964	25,100	24,800	5.79	143,600	25.00	3,590
1965	30,500	28,800	5.82	167,600	24.10	4,039
1966	34,500	33,400	6.74	225,100	24.90	5,605
1967	37,000	34,800	6.24	217,200	29.40	6,386
1968	43,400	41,600	7.00	291,200	29.90	8,707
1969	35,100	33,800	7.79	263,300	28.40	7,478
1970	30,200	29,500	7.08	208,850	27.50	5,743
1971	35,600	35,000	6.40	224,000	28.90	6,474
1972	39,500	39,200	7.01	274,800	29.90	8,217
1973	41,600	40,600	7.36	298,800	39.40	11,773
1974	42,100	41,400	7.23	299,400	73.70	22,066
1975	43,100	41,300	7.73	319,200	61.70	19,695
1976	40,700	39,900	7.84	312,750	57.30	17,921
1977	42,100	40,900	7.38	301,700	64.40	19,429
1978	40,400	40,200	7.96	320,000	58.60	18,740
1979	39,600	37,800	8.53	322,430	62.70	20,216
1980	34,100	33,700	8.68	292,520	62.30	18,224
1981	40,000	39,900	8.11	323,590	67.00	21,681
1982	46,500	45,500	9.01	409,960	70.50	28,902
1983	39,600	38,800	8.55	331,740	68.50	22,724
1984	42,500	42,000	8.70	365,400	71.10	25,980
1985	38,800	38,600	9.19	354,730	69.70	24,725
1986	35,900	34,900	9.24	322,480	66.60	21,477
1987	39,300	38,900	8.84	343,880	64.20	22,077
1988	38,500	38,500	9.18	353,430	71.30	25,200
1989	45,600	45,500	8.68	394,940	80.50	31,793

GREEN PEAS, Processing: Acreage, Yield, Production and Value, 1934-1989

Year	Acreage		Yield	Production	Season Average Price	Value of Production
	Planted	Harvested				
	Acres	Acres	Tons	Tons	$/Ton	1,000 Dollars
1934	3,600	3,050	.90	2,740	53.00	145
1935	9,300	8,180	.88	7,160	54.50	390
1936	17,000	16,150	.80	12,840	51.50	661
1937	22,100	21,200	.73	15,480	55.30	856
1938	22,230	20,450	.85	17,280	50.70	876
1939	19,900	19,100	.96	18,340	47.90	878
1940	29,900	29,000	.71	20,590	43.80	902
1941	30,900	20,400	1.72	35,090	43.00	1,509
1942	42,500	21,200	1.90	40,280	54.30	2,187
1943	49,300	36,200	1.45	52,310	75.90	3,970
1944	52,400	48,400	.96	46,220	77.90	3,601
1945	56,800	44,300	.93	41,200	81.80	3,370
1946	61,000	58,400	.99	57,520	81.10	4,665
1947	62,600	57,200	1.02	58,340	83.20	4,854
1948	51,220	40,830	1.21	49,400	86.80	4,288
1949	48,500	47,600	.79	37,600	87.50	3,290
1950	55,750	52,260	1.06	55,400	75.50	4,183
1951	61,000	57,400	.95	54,530	88.80	4,842
1952	49,800	48,800	1.15	56,120	88.00	4,939
1953	56,900	46,400	1.19	54,980	91.00	5,003
1954	58,700	56,400	.77	43,150	85.10	3,672
1955	63,000	59,000	.66	38,640	87.10	3,366
1956	68,800	64,000	1.30	83,200	85.40	7,105
1957	67,300	63,900	1.12	71,250	86.20	6,142
1958	59,500	56,400	1.08	60,630	77.30	4,687
1959	60,400	55,900	1.26	70,150	85.70	6,012
1960	57,400	57,200	.90	51,480	82.40	4,242
1961	70,900	62,500	.89	55,310	81.20	4,491
1962	69,900	60,700	1.04	63,130	84.10	5,309
1963	60,600	59,600	1.08	64,370	89.00	5,729
1964	60,800	52,600	.93	48,900	85.50	4,181
1965	60,000	56,400	1.38	77,850	88.00	6,851
1966	56,000	47,800	.95	45,400	95.70	4,345
1967	59,100	55,600	.93	51,700	106.00	5,480
1968	60,400	48,400	.75	36,300	108.00	3,920
1969	52,300	47,300	1.23	58,200	101.00	5,878
1970	47,500	43,700	.97	42,400	99.90	4,236
1971	45,200	39,500	1.44	56,900	93.80	5,337
1972	45,600	44,800	1.22	54,650	98.00	5,356
1973	52,400	50,600	.74	37,450	119.00	4,457
1974	45,500	43,000	1.23	52,900	203.00	10,739
1975	52,200	49,100	1.12	55,000	205.00	11,275
1976	37,100	35,900	1.28	46,000	178.00	8,188
1977	32,200	27,700	.83	23,000	194.00	4,462
1978	37,800	36,900	1.23	45,400	150.00	6,810
1979	42,900	42,000	1.07	44,940	169.00	7,595
1980	34,800	32,600	1.66	54,120	173.00	9,363
1981	33,800	32,300	1.37	44,250	179.00	7,921
1982	33,800	33,700	1.09	36,730	202.00	7,419
1983	34,900	34,400	1.17	40,250	173.00	6,963
1984	36,000	33,600	1.48	49,730	211.00	10,493
1985	37,100	35,400	1.22	43,190	204.00	8,811
1986	29,500	29,200	1.17	34,160	198.00	6,764
1987	34,500	33,300	1.31	43,620	200.00	8,724
1988	26,400	26,000	1.44	37,440	192.00	7,188
1989	35,500	34,100	1.41	48,080	220.00	10,578

ONIONS, Storage: Acreage, Yield, Production and Value, 1934-1989

Year	Acreage		Yield	Production	Season Average Price	Value of Production
	Planted	Harvested				
	Acres	Acres	Cwt.	1,000 Cwt.	$/Cwt.	1,000 Dollars
1934	—	2,100	240	504	1.45	731
1935	—	2,200	285	627	1.21	759
1936	—	2,200	150	330	.96	317
1937	—	2,300	300	690	1.30	897
1938	—	2,900	290	841	.90	757
1939	—	3,600	242	870	.72	624
1940	—	3,300	228	706	1.18	830
1941	—	3,000	292	876	2.44	2,144
1942	—	3,500	196	610	1.74	1,062
1943	—	3,600	250	898	2.56	2,306
1944	—	4,800	273	1,185	1.76	2,092
1945	—	4,500	312	1,405	2.72	3,814
1946	4,800	4,800	308	1,371	1.36	1,858
1947	3,700	3,700	334	1,234	3.62	4,465
1948	3,700	3,600	304	1,097	2.00	2,204
1949	4,100	4,100	444	1,822	2.27	4,130
1950	4,700	4,600	385	1,770	1.07	1,893
1951	4,800	4,800	414	1,989	2.70	5,361
1952	4,700	4,600	433	1,990	3.58	7,124
1953	5,600	5,500	404	2,221	.82	1,829
1954	5,200	5,200	428	2,228	1.51	3,374
1955	5,400	4,800	423	2,208	1.80	3,650
1956	5,000	4,700	388	1,822	1.87	3,412
1957	5,000	4,700	364	1,712	2.40	4,115
1958	5,000	4,900	400	1,960	3.24	6,345
1959	5,200	5,000	487	2,334	1.98	3,524
1960	5,400	5,000	404	2,018	2.57	4,206
1961	5,300	5,200	403	2,094	4.65	8,276
1962	5,100	5,100	434	2,213	2.19	3,895
1963	5,400	5,300	417	2,208	3.99	7,275
1964	5,600	5,500	457	2,442	2.25	5,500
1965	5,600	5,500	469	2,579	2.64	5,300
1966	6,000	5,800	482	2,793	4.25	11,861
1967	6,000	5,800	381	2,208	4.78	10,545
1968	7,000	6,800	479	3,256	2.32	5,691
1969	6,600	6,500	469	3,048	4.94	12,692
1970	7,200	6,800	447	3,039	2.52	7,647
1971	7,100	7,000	453	3,168	3.47	11,003
1972	7,200	7,100	478	3,392	6.50	22,041
1973	7,800	7,700	510	3,927	6.27	24,638
1974	7,700	7,500	520	3,576	3.59	12,854
1975	7,700	7,600	477	3,567	7.45	26,571
1976	8,300	8,200	541	4,433	5.90	26,153
1977	9,200	8,700	493	4,287	3.95	16,954
1978	9,600	9,300	450	4,187	7.57	31,688
1979	9,600	9,500	503	4,776	3.48	16,622
1980	8,900	8,700	522	4,538	12.06	54,737
1981	9,100	8,900	501	4,460	13.46	60,047
1982	10,300	10,000	482	4,821	4.32	20,803
1983	11,200	10,900	486	5,292	12.70	67,183
1984	14,300	14,100	481	6,785	8.66	58,754
1985	13,400	13,100	518	6,785	4.49	30,465
1986	11,900	11,700	508	5,945	10.50	62,402
1987	12,900	12,800	549	7,032	8.71	61,277
1988	14,000	13,700	485	6,649	9.01	59,934
1989	13,500	13,300	505	6,710	9.99	67,052

COLD STORAGE HOLDINGS: Selected Items, Quarterly, United States, 1986-1989

Commodity	March 31	June 30	September 30	December 31
	1,000 Pounds			
BERRIES:				
Blackberries				
1986	9,312	6,629	20,427	16,730
1987	12,394	9,965	29,582	22,661
1988	16,007	10,163	29,301	23,513
1989	16,163	9,353	20,979	15,453
Blueberries				
1986	37,897	20,367	68,264	49,568
1987	32,548	17,950	71,665	50,707
1988	31,803	15,824	93,462	67,499
1989	45,267	24,563	83,458	71,580
Boysenberries				
1986	2,750	3,190	3,932	2,829
1987	2,102	3,563	5,553	4,597
1988	3,291	2,534	5,202	3,912
1989	2,665	3,790	4,112	2,696
Raspberries, Red				
1986	15,783	12,412	37,536	27,159
1987	16,478	27,613	46,748	36,027
1988	26,612	17,449	55,012	39,560
1989	24,667	19,469	50,377	38,846
Strawberries				
1986	110,216	233,489	198,831	146,616
1987	100,497	311,750	301,469	236,009
1988	161,933	329,587	312,026	235,189
1989	154,509	260,082	228,186	167,233
VEGETABLES:				
Green Beans, Regular				
1986	78,947	52,046	181,229	138,978
1987	83,137	60,473	194,953	139,239
1988	85,965	44,716	156,653	111,481
1989	55,870	30,022	220,651	160,380
Green Beans, French				
1986	29,685	19,104	56,575	43,635
1987	25,493	13,707	57,797	43,659
1988	26,046	15,123	47,218	34,937
1989	17,908	8,182	62,524	47,322
Sweet Corn, Cut				
1986	128,885	64,575	298,607	236,525
1987	131,876	52,119	333,649	283,441
1988	153,389	69,724	253,438	205,336
1989	117,880	50,391	254,126	245,455
Sweet Corn, Cob				
1986	187,902	97,996	267,208	254,231
1987	166,108	87,932	336,313	283,105
1988	204,385	114,505	270,886	230,157
1989	127,807	43,237	228,894	216,959
Green Peas				
1986	208,615	227,592	355,786	249,865
1987	155,489	233,334	386,815	251,150
1988	128,554	162,651	282,612	166,799
1989	80,480	133,084	327,649	232,114
French Fries				
1986	877,974	930,717	630,973	729,394
1987	688,297	820,256	625,344	727,103
1988	816,486	823,102	751,484	825,348
1989	777,498	784,563	572,521	738,263
Other Frozen Potatoes				
1986	139,279	166,137	140,259	164,658
1987	168,290	183,072	148,898	155,457
1988	148,626	177,669	166,418	163,340
1989	169,758	176,965	161,709	179,086

FLORICULTURE: Production and Wholesale Value, 1988-1990

Types	Production Area			Number Sold			Wholesale Value	
	1988	1989	Unit	1988	1989	1990[1]	1988	1989
	1,000 Sq. Feet			1,000 Units			1,000 Dollars	
Cut Flowers	—	—	—	—	—	—	10,578	10,225
Potted Flowering Plants:								
Chrysanthemums	230	284	pots	470	457	443	1,514	1,447
Florist Azaleas	1,135	1,019	pots	1,256	1,079	1,188	4,705	4,269
Easter Lilies	74	66	pots	125	115	122	449	405
Poinsettias	908	909	pots	813	732	773	2,503	2,524
Other	460	737	pots	1,638	1,943	2,085	2,016	2,594
Bedding Plants:								
Geraniums	83	31	flats	29	17	18	298	272
Flowering	1,725	1,931	flats	982	997	1,040	6,756	7,178
Vegetable	252	399	flats	123	200	211	820	1,204
Potted Bedding Plants:								
Hardy/Garden Mums	207	313	pots	461	505	513	399	470
Geraniums (cuttings)	453	386	pots	1,356	1,101	1,122	1,554	1,527
Geraniums (seed)	86	198	pots	399	724	799	316	616
Flowering	1,414	1,702	pots	6,670	5,457	5,932	4,548	3,734
Vegetable	154	128	pots	684	305	331	338	193
Potted Foliage[2]	477	478	—	—	—	—	1,015	—
Flowering Hanging Baskets	—	—	baskets	300	356	388	2,364	2,777
Foliage Hanging Baskets	—	—	baskets	58	—	—	235	—

[1] 1990 data are intentions.
[2] Wholesale value is actually net value of sales.

LIVESTOCK

Production of all livestock, dairy, and poultry products in Oregon was valued at $728 million in 1989. The increase of $42 million in value from 1988 was due mostly to a $18 million increase in the value of milk production. This and other increases (broiler, eggs, turkeys, sheep and lambs, and farm chickens) were lessened by decreases in cattle, hogs and pigs, mink, wool, and honey. Approximately 32 cents of every dollar of Oregon farm product sales is from the sale of livestock and livestock products.

Cattle and calves amounted to 46 percent of the dollar generated from all livestock products in the state. Cattle raising remains the largest generator of livestock value in Oregon. Production in 1989, as measured in pounds, was 1 percent more than a year earlier. But overall, the total value of production was down 1 percent as the average price for beef cattle decreased two dollars per hundredweight from the 1988 average.

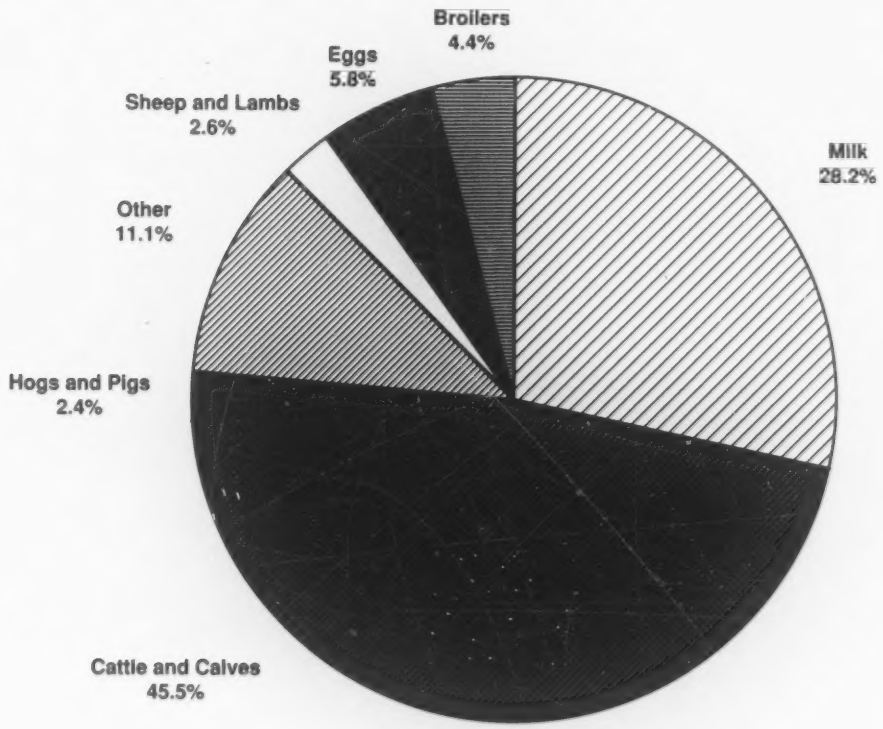
Oregon's dairy industry maintained its second place in the value of livestock production, accounting for 28 percent of the livestock total. For 1989, the value of milk production was $205 million, increasing 10 percent from 1988. Average prices for both milk and milkfat was up from 1988. The milk price rose from $12.43 per hundredweight to $13.60 for 1989. Cash receipts were up 10 percent for 1989 to a level of $200 million.

About 10 percent of every dollar of Oregon livestock value of production is due to poultry products. In 1989, the value of production of broilers, eggs, turkeys, and farm chickens all increased.. Broiler production value increased sharply over 1988, an increase of almost $5 million. Broiler production value at $32 million for 1989 was the result of more broilers being raised and farmers receiving a much higher price (35 cents per pound) than last year. Egg production value increased sharply, up 60 percent over 1988. This major increase was the result of increased egg production along with a much higher (24 cents) price per dozen. Turkey production value was much higher than last year and reached $19 million. During 1989 both more turkeys were raised and a higher price per pound was received.

Hogs and pigs production value dropped from 1988, down to $18 million from $20 million for 1988. The major factor causing this decline was a lower level of production.

Sheep and lambs value of production increased from 1988 up to almost $19 million. This increase was the result of more production and an increase of $2.50 per hundredweight for lambs over last year. Slightly offsetting the higher value for sheep and lambs was a lower value of wool production. The lower value of production for wool was caused by less production than 1988.

VALUE OF PRODUCTION: PERCENT OF TOTAL, BY LIVESTOCK GROUPS, OREGON, 1989

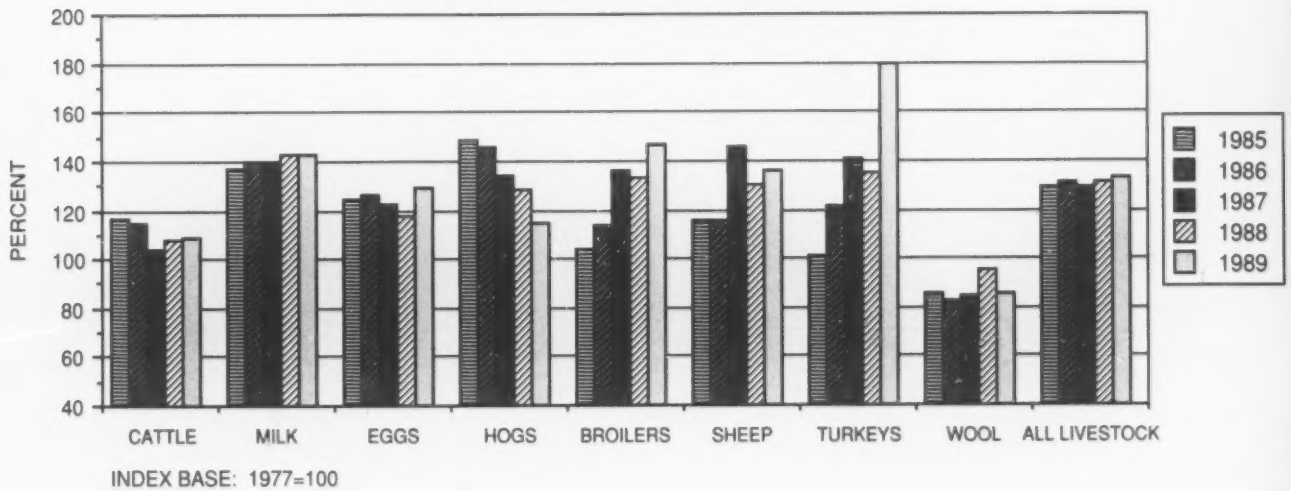


VALUE OF PRODUCTION: Livestock, Dairy and Poultry, 1987-1989[1]

Species	Value			Percent of Total		
	1987	1988	1989	1987	1988	1989
	1,000 Dollars			Percent		
Cattle and Calves	288,987	335,090	330,838	45.5	48.8	45.5
Milk	187,287	186,852	205,228	29.5	27.2	28.2
Broilers	24,534	27,403	32,200	3.9	4.0	4.4
Eggs	24,988	26,737	42,714	3.9	3.9	5.8
Hogs and Pigs	24,793	19,730	17,606	3.9	2.9	2.4
Sheep and Lambs	25,417	19,671	18,736	4.0	2.9	2.6
Turkeys	12,526	13,932	19,440	2.7	2.0	2.7
Mink	9,405	10,810	8,816	1.5	1.6	1.2
Wool	2,042	3,034	2,784	.3	.4	.4
Honey	1,201	1,560	1,376	.2	.2	.2
Farm Chickens	710	420	438	.1	.1	.1
Miscellaneous Livestock	33,234	41,128	47,548	5.2	6.0	6.5
TOTAL	635,124	686,367	727,724	100.0	100.0	100.0

[1] Methodology differs slightly from that of O.S.U. Extension Service.

LIVESTOCK INDEX OF PRODUCTION, OREGON
Based on pounds produced 1985-1989



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LIVESTOCK VALUE: Value of Inventory On Farms, January 1, 1987-1990

Year	Value Per Head				Total Value			
	All Cattle	All Sheep & Lambs	All Hogs[1]	All[1 2] Chickens	All Cattle	All Sheep & Lambs	All Hogs[1]	All[1 2] Chickens
	Dollars				1,000 Dollars			
1987	420.00	69.00	93.00	1.90	588,000	30,360	10,695	6,394
1988	540.00	83.00	87.50	1.60	734,400	39,840	8,750	4,760
1989	590.00	67.50	73.00	1.60	820,100	32,063	7,300	4,880
1990	605.00	66.50	91.00	2.05	840,000	30,258	8,190	6,458

[1] December 1 preceding year.
[2] Excludes commercial broilers.

CATTLE AND CALVES: Inventory, Calf Crop and Value, 1870-1990

Year	All Cattle & Calves January 1	All Cows & Heifers That Have Calved[1]		Calf Crop	Value	
		Beef Cows January 1	Milk Cows January 1		Average Per Head	Total
	1,000 Head				Dollars	1,000 Dollars
1870	373	—	42	—	23.10	8,626
1875	465	—	46	—	15.30	7,111
1880	631	—	50	—	11.90	7,508
1885	603	—	69	—	27.10	16,350
1890	587	—	98	—	18.90	11,086
1895	605	—	113	—	13.50	8,184
1900	628	—	115	—	24.80	15,569
1905	846	—	130	—	16.70	14,113
1910	677	—	160	—	23.50	15,900
1915	779	—	180	—	42.60	33,174
1920	891	218	200	—	52.30	46,599
1925	796	203	217	315	34.40	27,382
1930	757	161	229	294	54.70	41,408
1935	928	212	275	351	23.50	21,840
1940	937	208	262	385	37.60	35,231
1945	1,158	322	284	436	63.20	73,186
1950	1,085	328	233	449	110.00	119,350
1955	1,486	495	233	619	91.00	135,226
1956	1,427	495	214	603	83.00	118,441
1957	1,327	472	201	586	86.00	114,122
1958	1,327	475	191	579	116.00	153,932
1959	1,393	519	183	618	149.00	207,557
1960	1,421	553	181	624	128.00	181,888
1961	1,435	555	177	630	130.00	186,550
1962	1,435	572	170	668	131.00	187,985
1963	1,492	610	163	688	135.00	201,420
1964	1,611	663	150	724	124.00	199,764
1965	1,659	693	142	735	102.00	169,218
1966	1,626	680	133	724	128.00	208,128
1967	1,593	664	124	709	150.00	238,950
1968	1,577	671	116	700	142.00	223,934
1969	1,530	654	111	696	152.00	232,560
1970	1,514	652	107	692	175.00	264,950
1971	1,529	645	96	699	185.00	282,865
1972	1,529	647	94	699	200.00	305,800
1973	1,514	669	94	730	265.00	401,210
1974	1,560	698	92	740	295.00	460,200
1975	1,650	709	91	665	165.00	272,250
1976	1,500	638	92	650	195.00	292,500
1977	1,520	627	93	650	200.00	304,000
1978	1,490	622	93	630	230.00	342,700
1979	1,540	632	93	636	405.00	623,700
1980	1,575	681	94	705	485.00	763,875
1981	1,750	729	96	750	460.00	805,000
1982	1,800	730	97	720	400.00	720,000
1983	1,650	670	100	710	395.00	651,750
1984	1,710	709	101	700	400.00	684,000
1985	1,650	639	96	650	410.00	676,500
1986	1,575	598	102	610	390.00	614,250
1987	1,400	568	92	599	420.00	588,000
1988	1,360	547	94	625	540.00	734,400
1989	1,390	573	94	650	590.00	820,100
1990	1,400	592	98	—	605.00	840,000

[1] Prior to January 1, 1974 this category was defined as cows and heifers 2 years old and older.

CATTLE AND CALVES: Inventory by Classes and Weight, January 1, 1985-1990

Year	All Cattle and Calves	All Cows and Heifers that have Calved			Heifers 500 Lbs. and Over				Steers 500 Lbs. and Over	Bulls 500 Lbs. and Over	Steers, Heifers and Bulls Under 500 Lbs.
		Total	Beef Cows	Milk Cows	Total	Beef Cow Replacements	Milk Cow Replacements	Other			
	1,000 Head										
1985	1,650	735	639	96	280	115	55	110	205	40	390
1986	1,575	700	598	102	274	100	57	117	190	36	375
1987	1,400	660	568	92	224	91	49	84	155	34	327
1988	1,360	641	547	94	226	97	44	85	166	32	295
1989	1,390	667	573	94	238	110	44	84	185	35	265
1990	1,400	690	592	98	241	112	45	84	183	36	250

CATTLE AND CALVES: Inventory and Disposition, 1984-1989

Year	Inventory Beginning of Year	Calf Crop	Inship-ments	Marketings[1]		Farm Slaughter Cattle and Calves[2]	Deaths		Inventory End of Year
				Cattle	Calves		Cattle	Calves	
	1,000 Head								
1984	1,710	700	100	481	231	38	40	70	1,650
1985	1,650	650	90	505	185	30	30	65	1,575
1986	1,575	610	70	532	201	30	32	60	1,400
1987	1,400	599	90	443	176	30	30	50	1,360
1988	1,360	625	80	400	172	23	25	55	1,390
1989	1,390	650	90	442	183	20	25	60	1,400

[1] Includes custom slaughter for use on farms where produced and state outshipments, but excludes interfarm sales within the state.
[2] Excludes custom slaughter for farmers at commercial establishments.

CATTLE AND CALVES: Production and Income, 1984-1989

Year	Production[1]	Marketings[2]	Average Price Per 100 Lbs.		Value of Production	Cash Receipts[3]	Value of Home Consumption	Gross Income
			Cattle	Calves				
	1,000 Lbs.		Dollars		1,000 Dollars		1,000 Dollars	
1984	554,635	627,180	48.70	57.20	277,498	313,355	21,284	334,639
1985	551,285	633,120	46.50	59.10	264,983	303,394	21,704	325,098
1986	540,680	690,930	45.50	57.90	253,925	324,044	16,519	340,563
1987	488,415	540,565	57.80	76.00	288,987	320,702	19,944	340,646
1988	508,090	494,090	64.00	85.60	335,090	328,020	19,002	347,022
1989	512,985	532,960	62.00	85.60	330,838	344,161	18,697	362,858

[1] Adjustments made for changes in inventory and for inshipments.
[2] Excludes custom slaughter for use on farms where produced and interfarm sales within the state.
[3] Receipts from marketings and sale of farm slaughter.

MILK COWS AND MILK PRODUCTION: 1925-1989

Year	Number of Milk Cows On Farms[1]	Production of Milk and Milkfat[2]				
		Per Milk Cow		Percentage of Fat In All Milk Production	Total	
		Milk	Milkfat		Milk	Milkfat
	1,000 Head	Pounds		Percent	Million Pounds	
1925	212	4,940	212	4.30	1,047	45
1930	230	5,500	236	4.30	1,265	54
1935	255	5,210	229	4.40	1,329	58
1940	248	5,620	253	4.50	1,394	63
1941	250	5,710	257	4.50	1,428	64
1942	255	5,670	255	4.50	1,446	65
1943	258	5,470	246	4.50	1,411	63
1944	255	5,520	248	4.50	1,408	63
1945	244	5,550	250	4.50	1,354	61
1946	228	5,630	253	4.50	1,284	58
1947	221	5,860	264	4.50	1,295	58
1948	214	5,760	259	4.50	1,233	55
1949	215	5,800	261	4.50	1,247	56
1950	211	5,940	267	4.50	1,253	56
1951	201	5,950	268	4.50	1,196	54
1952	201	5,850	263	4.50	1,176	53
1953	203	5,980	266	4.45	1,214	54
1954	205	6,040	269	4.45	1,238	55
1955	198	6,100	268	4.40	1,208	53
1956	185	6,300	274	4.35	1,166	51
1957	176	6,450	281	4.35	1,135	49
1958	168	6,700	288	4.30	1,126	48
1959	164	6,770	288	4.25	1,110	47
1960	162	6,980	297	4.25	1,131	48
1961	157	7,010	294	4.20	1,101	46
1962	153	7,300	303	4.15	1,117	46
1963	141	7,380	306	4.15	1,041	43
1964	134	7,540	313	4.15	1,010	42
1965	127	7,720	317	4.10	980	40
1966	122	8,020	329	4.10	978	40
1967	112	8,348	339	4.06	935	38
1968	105	9,190	372	4.05	965	39
1969	101	9,277	373	4.02	937	38
1970	97	10,000	397	3.97	970	39
1971	95	10,611	426	4.01	1,008	40
1972	94	10,691	421	3.94	1,005	40
1973	93	10,839	425	3.92	1,008	40
1974	91	11,033	429	3.89	1,004	39
1975	91	10,879	424	3.90	990	39
1976	92	11,130	432	3.88	1,024	40
1977	93	11,312	432	3.82	1,052	40
1978	93	11,452	439	3.83	1,065	41
1979	94	11,734	442	3.77	1,103	42
1980	95	12,305	466	3.79	1,169	44
1981	97	12,577	470	3.74	1,220	46
1982	99	13,141	494	3.76	1,301	49
1983	101	13,495	506	3.75	1,363	51
1984	98	13,653	512	3.75	1,338	50
1985	100	14,380	548	3.81	1,438	55
1986	99	14,859	560	3.77	1,471	56
1987	94	15,649	585	3.74	1,471	55
1988	94	15,989	603	3.77	1,503	57
1989	95	15,884	591	3.72	1,509	56

[1] Average number during year, excluding heifers not yet fresh.
[2] Excludes milk sucked by calves.

MILK COWS AND MILK PRODUCTION: By Quarters and Annual, 1987-1989

Month and Annual	Average # Milk Cows on Farms[1]			Milk Per Cow[2,3]			Milk Production[2]		
	1987	1988	1989	1987	1988	1989	1987	1988	1989
	1,000 Head			Pounds			Million Pounds		
January	—	—	—	—	—	—	—	—	—
To	93	94	94	3,773	3,840	3,776	347	361	355
March	—	—	—	—	—	—	—	—	—
April	—	—	—	—	—	—	—	—	—
To	94	94	94	4,138	4,202	4,180	389	395	393
June	—	—	—	—	—	—	—	—	—
July	—	—	—	—	—	—	—	—	—
To	94	94	95	4,023	4,085	4,115	380	384	391
September	—	—	—	—	—	—	—	—	—
October	—	—	—	—	—	—	—	—	—
To	94	94	97	3,777	3,862	3,813	355	363	370
December	—	—	—	—	—	—	—	—	—
Annual	94	94	95	15,649	15,989	15,884	1,471	1,503	1,509

[1] Excludes heifers not yet fresh.
[2] Excludes milk sucked by calves.
[3] Derived average per cow.

MILK DISPOSITION: 1985-89

Year	Milk Used Where Produced			Milk Marketed by Producers		
	Fed to Calves[1]	Used for Milk, Cream & Butter	Total	Sold to Plants and Dealers[2]	Sold Directly to Consumers[3]	Total
	Million Pounds					
1985	23	9	32	1,345	61	1,406
1986	25	10	35	1,376	60	1,436
1987	23	9	32	1,383	56	1,439
1988	30	10	40	1,408	55	1,463
1989	27	8	35	1,416	58	1,474

[1] Excludes milk sucked by calves.
[2] Includes milk produced by dealers own herds.
[3] Sales directly to consumer by producers who sell only milk from their own herds. Also includes milk produced by institutional herds.

DAIRY PRODUCTS: Marketings, Income and Value, 1985-1989

Year	Milk and Cream Sold				Used Where Produced for Milk, Cream & Butter		Gross Income[3]	Value of Production[4]
	Milk Utilized	Average Returns[1] Per 100 Pounds Milk	Average Returns[1] Per Pound Milkfat	Cash Receipts	Milk Util.	Value[2]		
	Million Pounds	Dollars		1,000 Dollars	Million Pounds		1,000 Dollars	
1985	1,406	13.15	3.45	184,927	9	1,184	186,111	189,136
1986	1,436	12.76	3.38	183,182	10	1,276	184,458	187,647
1987	1,439	12.73	3.40	183,213	9	1,146	184,359	187,287
1988	1,463	12.43	3.30	181,880	10	1,243	183,123	186,852
1989	1,474	13.60	3.66	200,468	8	1,088	201,556	205,228

[1] Cash receipts divided by milk or milkfat.
[2] Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.
[3] Cash receipts from marketing of milk and cream plus value of milk used for home consumption and producer-churned butter.
[4] Includes value of milk fed to calves.

MANUFACTURED DAIRY PRODUCTS: Monthly and Annual, 1988-1989

Month	Butter		Cottage Cheese						Total Cheese[1]	
			Curd		Creamed		Lowfat			
	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
	1,000 Pounds									
January	1,405	1,344	727	859	904	1,051	389	457	2,538	2,700
February	1,464	1,231	886	777	1,107	931	496	428	2,368	2,451
March	1,434	1,271	847	884	1,053	1,070	459	506	2,674	2,797
April	1,336	1,263	835	807	1,063	954	411	490	2,708	2,931
May	1,412	1,376	812	894	1,004	1,054	421	542	2,744	3,093
June	1,350	1,402	846	881	1,073	1,076	442	484	2,717	2,959
July	882	1,499	821	804	1,026	987	434	438	2,874	2,884
August	856	1,251	842	850	975	1,100	468	457	2,687	3,052
September	909	1,179	952	793	1,114	1,071	474	438	2,375	2,924
October	1,010	1,214	816	804	955	966	442	448	2,490	3,043
November	992	1,073	825	757	951	868	447	448	2,553	2,900
December	1,175	1,241	726	710	975	840	442	401	2,596	3,076
Annual	14,225	15,344	9,935	9,820	12,200	11,968	5,325	5,537	31,324	34,810
Reporting Plants	8	8	12	12	12	12	8	8	5	5

[1] Excluding Cottage Cheese.

MANUFACTURED DAIRY PRODUCTS: Monthly and Annual, 1988-1989

Month	Ice Cream Mix		Total Ice Cream[1]		Ice Milk Mix[2]		Total Ice Milk[3]		Total Milk Sherbet	
	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
	1,000 Gallons									
January	333	200	590	333	138	168	200	251	12	17
February	334	323	562	653	152	151	221	228	15	25
March	364	323	841	732	202	203	307	305	16	27
April	368	324	629	656	189	215	281	310	18	34
May	375	363	578	673	237	293	350	465	33	40
June	326	323	651	732	292	326	427	513	32	22
July	296	404	621	818	286	304	436	457	44	25
August	451	487	901	908	308	282	461	432	44	33
September	319	367	681	743	242	220	365	317	33	22
October	239	331	658	738	218	201	334	306	19	21
November	197	288	431	568	212	197	322	292	21	27
December	190	328	431	658	230	223	375	312	17	14
Annual	3,792	4,061	7,574	8,212	2,706	2,783	4,079	4,188	304	307
Reporting Plants	13	14	14	15	14	14	11	11	*	*

[1] Includes hard and soft ice cream and must contain at least 10 percent butterfat.
[2] Includes milkshake mix.
[3] Includes substandard ice cream.
* Not published.

HOGS AND PIGS: Inventory By Classes, January 1, 1870-1963

Year	All Hogs and Pigs	Average Value per Head	Sows and Gilts 6 Months and Older[1]
	1,000 Head	Dollars	1,000 Head
1870	131	3.00	—
1875	159	3.75	N/A
1880	171	2.60	N/A
1885	164	3.75	N/A
1890	204	4.25	N/A
1895	260	4.00	N/A
1900	250	5.00	N/A
1905	238	6.10	N/A
1910	213	8.20	N/A
1915	330	9.50	N/A
1920	267	18.10	38
1925	223	10.20	34
1930	195	11.70	27
1935	176	6.30	27
1940	301	7.90	45
1945	212	17.40	28
1950	166	24.90	23
1955	127	27.90	22
1960	184	16.80	18
1961	177	23.30	19
1962	168	24.50	18
1963	151	23.80	16

[1] Excludes boars.

HOGS AND PIGS: Inventory By Classes, December 1, 1963-1989

Year	All Hogs and Pigs	Average Value Per Head	Breeding Total	Market				
				Under 60 Pounds	60-119 Pounds	120-179 Pounds	180 Pounds and Over	Total
	1,000 Head	Dollars	1,000 Head					
1963	142	19.00	18	57	33	22	10	124
1964	121	20.60	16	41	28	22	12	105
1965	108	35.70	15	37	23	20	11	93
1966	125	30.50	17	40	30	25	11	108
1967	116	26.00	16	37	30	20	11	100
1968	112	27.30	16	34	27	23	9	96
1969	108	33.30	15	33	30	19	10	93
1970	117	24.50	16	39	30	19	12	101
1971	116	25.00	15	37	30	20	12	101
1972	113	36.00	15	35	27	20	13	98
1973	101	53.00	14	32	24	17	11	87
1974	95	45.00	13	32	21	16	11	82
1975	95	68.50	15	34	19	14	10	80
1976	95	50.00	15	33	20	14	10	80
1977	100	57.50	16	33	21	15	12	84
1978	110	72.00	18	37	25	17	13	92
1979	120	60.00	16	41	26	20	17	104
1980	120	71.00	14	38	25	23	20	106
1981	100	67.00	14	27	26	20	13	86
1982	110	77.50	15	38	24	19	14	95
1983	110	74.00	15	29	28	22	16	95
1984	110	79.50	16	24	26	22	22	94
1985	125	78.50	18	28	29	24	26	107
1986	115	93.00	16	27	25	23	24	99
1987	100	87.50	13	23	24	20	20	87
1988	100	73.00	13	25	23	20	19	87
1989	90	91.00	12	21	21	20	16	78

PIG CROP: Sows Farrowing, Pigs Per Litter, Pig Crop, December - May and June - November, 1979-1989

Year	Sows Farrowing		Pigs Per Litter		Pig Crop	
	December-May[1]	June-November	December-May[1]	June-November	December-May[1]	June-November
	1,000 Head					
1979	10.7	13.0	7.9	7.8	85	101
1980	13.0	14.0	8.2	8.4	107	118
1981	11.0	11.0	7.6	8.0	84	88
1982	13.0	14.0	8.0	7.5	104	105
1983	14.0	14.0	7.3	7.8	102	109
1984	14.0	14.0	8.3	7.7	116	108
1985	14.0	16.0	7.8	7.6	109	122
1986	14.0	15.0	7.3	8.0	102	120
1987	13.0	12.0	7.4	8.4	96	101
1988	12.0	12.0	8.0	8.3	96	99
1989	11.0	10.0	8.5	7.8	93	78

[1]December preceding year.

HOGS AND PIGS: Inventory and Disposition, 1979-1989

Year	Inventory December 1 Previous Year	Annual Pig Crop	Inshipments	Marketing[1]	Farm Slaughter[2]	Deaths	Inventory December 1
	1,000 Head						
1979	110	186	1	160	7	10	120
1980	120	225	1	206	9	11	120
1981	120	172	1	179	7	7	100
1982	100	209	1	189	6	5	110
1983	110	211	0	202	5	4	110
1984	110	224	0	210	7	7	110
1985	110	231	0	199	9	8	125
1986	125	222	0	218	5	9	115
1987	115	197	0	203	2	7	100
1988	100	195	0	186	2	7	100
1989	100	171	0	170	3	8	90

[1] Includes custom slaughter for use on farms where produced and state outshipments but excludes interfarm sales within the state.
[2] Excludes custom slaughter for farmers at commercial establishments.

HOGS AND PIGS: Production and Income, 1979-1989

Year	Production[1]	Marketings[2]	Price Per 100 Pounds	Value of Production	Cash Receipts[3]	Value Home Consumption	Gross Income
	1,000 Pounds		Dollars	1,000 Dollars			
1979	41,241	36,945	42.80	17,652	15,828	1,483	17,311
1980	48,314	43,750	36.30	17,538	15,901	1,617	17,518
1981	39,609	39,488	44.20	17,495	17,454	1,044	18,498
1982	45,326	42,075	53.70	24,320	22,594	1,450	24,044
1983	49,991	46,999	49.10	24,547	23,077	1,050	24,127
1984	53,718	49,683	48.00	25,785	23,848	1,331	25,179
1985	52,025	46,666	45.40	23,619	21,186	1,438	22,624
1986	51,092	51,048	50.80	25,954	25,932	838	26,770
1987	46,604	46,900	53.20	24,793	24,951	1,170	26,121
1988	44,739	43,680	44.10	19,730	19,263	582	19,845
1989	40,106	39,730	43.90	17,606	17,441	724	18,165

[1] Adjustments made for changes in inventory and for inshipments.
[2] Excludes custom slaughter for use on farms where produced and interfarm sales within the state.
[3] Receipts from marketings and sale of farm slaughter.

SHEEP AND LAMBS: Inventory, Lamb Crop and Value, 1870-1990

Year	All Sheep Inventory January 1	Stock Sheep Inventory January 1	Breeding Ewes On Hand January 1	Lamb Crop	All Sheep		Stock Sheep	
					Average Value Per Head	Total Value	Average Value Per Head	Total Value
	1,000 Head			1,000 Head	Dollars	1,000 Dollars	Dollars	1,000 Dollars
1870	—	467	—	—	—	—	1.90	887
1875	—	770	—	—	—	—	2.60	2,002
1880	—	1,504	—	—	—	—	1.45	2,181
1885	—	1,751	—	—	—	—	1.60	2,802
1890	—	1,910	—	—	—	—	1.90	3,629
1895	—	2,220	—	—	—	—	1.15	2,553
1900	—	2,179	—	—	—	—	2.65	5,774
1905	—	2,378	—	—	—	—	2.30	5,469
1910	—	2,717	—	—	—	—	3.70	10,053
1915	—	2,083	—	—	—	—	4.50	9,374
1920	2,250	2,225	1,580	—	—	24,035	10.70	23,823
1925	2,039	1,989	1,500	1,245	—	21,206	10.50	20,806
1930	2,585	2,530	1,961	1,765	—	265	9.00	22,825
1935	2,375	2,300	1,725	1,449	—	11,044	4.70	10,810
1940	1,675	1,610	1,320	1,228	—	11,499	6.90	11,109
1945	1,075	1,037	886	789	—	8,930	8.30	8,607
1950	689	671	566	532	—	12,518	18.20	12,212
1955	847	822	693	693	—	14,703	17.40	14,303
1956	852	822	700	686	—	13,019	15.40	12,659
1957	865	830	700	693	—	14,172	16.40	13,612
1958	890	847	714	707	—	18,689	21.10	17,872
1959	935	881	728	721	—	19,845	21.30	18,765
1960	916	863	699	685	—	16,608	18.20	15,707
1961	906	846	699	692	—	14,834	16.40	13,874
1962	842	778	636	630	—	11,257	13.40	10,425
1963	777	724	591	603	—	11,945	15.40	11,150
1964	740	673	550	550	—	10,831	14.60	9,826
1965	690	626	512	502	—	11,480	16.60	10,392
1966	648	582	466	470	—	12,785	19.70	11,465
1967	596	524	425	434	—	12,988	21.90	11,476
1968	566	498	408	412	—	12,452	22.00	10,956
1969	569	483	396	376	—	14,128	24.80	11,978
1970	541	460	369	373	—	14,107	26.00	11,960
1971	492	430	349	366	27.00	13,284	27.00	11,610
1972	525	426	345	362	27.00	14,175	27.00	11,502
1973	474	385	315	350	28.00	13,272	28.00	10,780
1974	515	395	325	358	32.00	16,480	32.00	12,640
1975	440	370	302	329	26.00	11,440	26.00	9,620
1976	420	330	268	319	39.00	16,380	—	—
1977	395	310	247	279	41.00	16,195	—	—
1978	425	325	262	290	49.00	20,886	—	—
1979	490	380	282	300	73.50	36,124	—	—
1980	495	385	280	305	71.50	35,393	—	—
1981	520	420	310	360	65.50	34,060	—	—
1982	540	440	350	380	53.50	28,890	—	—
1983	530	400	322	333	49.50	26,235	—	—
1984	495	350	292	315	52.50	25,988	—	—
1985	445	345	285	320	59.00	26,255	—	—
1986	430	325	275	290	62.00	26,660	—	—
1987	440	350	285	320	69.00	30,360	—	—
1988	480	390	320	320	83.00	39,840	—	—
1989	475	350	280	310	67.50	32,063	—	—
1990	455	345	279	—	66.50	30,258	—	

SHEEP AND LAMBS: Inventory By Classes, January 1, 1986-1990

Year	All Sheep and Lambs	Sheep & Lambs on Feed	All Stock Sheep	Lambs		Sheep One Year and Over	
				Ewes	Wethers & Rams	Ewes	Wethers & Rams
	1,000 Head						
1986	430	105	325	33	6	275	11
1987	440	90	350	44	10	285	11
1988	480	90	390	45	12	320	13
1989	475	125	350	42	14	280	14
1990	455	110	345	40	14	279	12

SHEEP AND LAMBS: Lamb Crop, 1985-1989

Year	Lambs Saved[1]	Breeding Ewes One Year and Older on Hand January 1	Lambs Saved Per 100 Ewes[1]
	1,000 Head		Number
1985	320	285	112
1986	290	275	106
1987	320	285	105
1988	320	320	100
1989	310	310	111

[1] Lambs saved defined as lambs docked or branded.

SHEEP AND LAMBS: Inventory and Disposition, 1985-1989

Year	Inventory Beginning of Year	Lamb Crop	Inship-ments	Marketings		Farm[1] Slaughter	Deaths		Inventory End of Year
				Sheep	Lambs		Sheep	Lambs	
	1,000 Head								
1985	445	320	0	29	233	3	30	40	430
1986	430	290	0	58	178	4	20	27	440
1987	440	320	79	22	279	7	20	31	480
1988	480	320	1	19	257	2	20	25	475
1989	475	310	56	37	291	3	20	35	455

[1] Excludes custom slaughter for farmers at commercial establishment.

SHEEP AND LAMBS: Production and Income, 1985-1989

Year	Production[1]	Marketing[2]	Price Per 100 Pounds		Value of Production	Cash Receipts[3]	Value of Home Consumption	Gross Income
			Sheep	Lambs				
	1,000 Pounds		Dollars		1,000 Dollars			
1985	27,240	29,190	19.90	65.60	16,962	17,221	108	17,600
1986	28,590	26,008	18.60	65.90	14,726	13,710	670	14,380
1987	34,290	34,263	23.30	75.80	25,417	24,528	1,043	25,571
1988	29,395	31,930	20.30	62.30	19,671	18,895	358	19,253
1989	32,060	37,338	19.30	64.80	18,736	22,091	711	22,802

[1] Adjustments made for changes in inventory and for inshipments.
[2] Excludes custom slaughter for use on farms where produced and interfarm sales within the state.
[3] Receipts from marketings and sale of farm slaughter.

WOOL: Production, Price and Value, 1986-1989

Year	Number of Sheep Shorn[1]	Weight Per Fleece	Total Wool Production	Price Per Pound[2]	Value of Production
	1,000 Head	Pounds	1,000 Pounds	Cents	1,000 Dollars
1986	435	6.5	2,825	61	1,723
1987	450	6.4	2,876	71	2,042
1988	520	6.2	3,228	94	3,034
1989	475	6.2	2,930	95	2,784

[1] Includes shearing at commercial feeding yards.
[2] Does not include incentive payments.

MINK: Pelts Produced and Females Bred, by Color, 1986-1990

Year	Standard	Mahogany	Demibuff	Gunmetal	Pastel	Sapphire	Violet Type	Misc.	Total
					1,000 Pelts				
1986	80.1	15.9	14.5	70.2	5.9	22.5	15.6	12.3	237.0
1987	83.6	4.1	6.5	73.1	3.0	20.2	14.8	9.7	215.0
1988	104.3	6.4	[1]	90.5	2.8	20.9	14.3	15.8	255.0
1989	103.5	6.8	3.5	97.0	2.7	22.0	13.4	6.1	255.0
					1,000 Females				
1986	19.4	4.1	2.6	16.8	1.6	5.5	3.8	3.2	57.0
1987	23.0	.8	1.0	20.3	1.2	6.1	4.0	2.6	59.0
1988	25.9	1.0	[1]	23.2	1.0	6.1	3.9	3.9	65.0
1989	25.8	1.4	[1]	24.0	1.0	5.7	3.6	3.5	65.0
1990	22.9	[1]	[1]	21.8	[1]	5.9	3.0	2.4	56.0

[1] Included in total to avoid disclosing individual operations.

BROILERS: Production and Value, 1986-1989

Year	Number Produced	Pounds Produced	Price Per Pound	Value of Production
	1,000 Birds	1,000 Pounds	Cents	1,000 Dollars
1986	17,000	76,500	32.0	24,480
1987	18,000	84,600	29.0	24,534
1988	17,300	83,040	33.0	27,403
1989	20,000	92,000	35.0	32,200

TURKEYS: Production and Value, 1986-1989

Year	Number Raised[1]	Pounds Produced	Price Per Pound[2]	Value of Production
	1,000 Birds	1,000 Pounds	Cents	1,000 Dollars
1986	1,510	29,143	41.0	11,949
1987	1,830	33,855	37.0	12,526
1988	1,800	32,400	43.0	13,932
1989	2,400	43,200	45.0	19,440

[1] Based on turkeys hatched September 1 to August 31. Excludes young turkeys lost.
[2] Liveweight equivalent price.

CHICKENS: Number on Farms, December 1, 1983-1989

Year	All Chickens [1]	Hens and Pullets of Laying Age	Not of Laying Age		Other Chickens
			Pullets 3 Months and Older	Pullets Under 3 Months Old	
	1,000 Birds				
1983	3,200	2,550	220	380	50
1984	3,485	2,685	280	480	40
1985	3,280	2,680	300	260	40
1986	3,365	2,575	330	410	50
1987	2,975	2,305	280	370	20
1988	3,050	2,500	60	470	20
1989	3,150	2,660	350	120	20

[1] Excludes commercial broilers.

EGGS: Production and Income, 1983-1989

Year	Eggs Produced	Home Consumption	Eggs Sold	Price Per Dozen	Cash Receipts	Value of Home Consumption[1]	Value of Production
		Millions		Cents		1,000 Dollars	
1983	630	14	616	59.2	30,389	691	31,080
1984	645	14	664	63.3	35,026	739	34,024
1985	649	[2]	[2]	50.9	[2]	[2]	27,528
1986	659	[2]	[2]	54.1	[2]	[2]	29,710
1987	638	[2]	[2]	47.0	[2]	[2]	24,988
1988	617	[2]	[2]	52.0	[2]	[2]	26,737
1989	678	[2]	[2]	75.6	[2]	[2]	42,714

[1] Valued at same price as eggs sold. [2] Discontinued.

EGG PRODUCTION AND LAYERS: Quarterly and Annual, 1988-1989

Month	1988			1989		
	Average Number Layers	Eggs Produced		Average Number Layers	Eggs Produced	
		Per 100 Layers	Total		Per 100 Layers	Total
	1,000 Birds		Millions	1,000 Birds		Millions
January	2,313	6,312	146	2,508	6,619	166
April	2,351	6,678	157	2,565	6,940	178
July	2,341	6,792	159	2,528	6,725	170
October	2,401	6,456	155	2,550	6,431	164
Annual [1]	2,352	26,238	617	2,538	26,715	678

[1] Production per 100 layers is derived.

HONEY AND BEESWAX: Production and Value, Oregon, 1980-1989

Year	Colonies of Bees	Yield Per Colony	Honey			Beeswax			Total Value of Production
			Production	Price Per Pound	Value of Production	Production	Price Per Pound	Value of Production	
	1,000 Colonies	Pounds	1,000 Pounds	Cents	1,000 Dollars	1,000 Pounds	Cents	1,000 Dollars	1,000 Dollars
1980	58	34	1,972	61.0	1,203	34	180.0	61	1,264
1981	59	33	1,947	74.9	1,458	39	195.0	76	1,534
1982-85	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1986	59	43	2,537	56.0	1,421	N/A	N/A	N/A	N/A
1987	55	42	2,310	52.0	1,201	N/A	N/A	N/A	N/A
1988	60	52	3,120	50.0	1,560	N/A	N/A	N/A	N/A
1989	63	39	2,457	56.0	1,376	N/A	N/A	N/A	N/A

N/A - Estimates not made for these items.

LIVESTOCK AND POULTRY: Inventory Number, by County, January 1, 1989[1]

District and County	All Cattle and Calves	Cows and Heifers That Have Calved		All Sheep and Lambs	All Hogs and Pigs[3]	All Chickens[3]
		Beef	Milk[2]			
	Number of Head					Number of Birds
NORTHWEST:						
Benton	10,500	3,200	2,100	11,000	2,600	25,000
Clackamas	28,500	10,200	3,500	15,000	10,000	1,340,000
Clatsop	7,800	3,000	1,400	1,300	300	2,000
Columbia	13,500	5,100	1,500	2,000	300	3,000
Lane	32,000	13,500	3,000	24,000	1,000	95,000
Lincoln	5,400	2,700	150	5,000	200	2,000
Linn	35,000	10,800	6,300	65,000	6,000	5,000
Marion	42,000	7,400	13,700	18,000	15,500	1,040,000
Multnomah	5,000	1,800	260	2,000	300	1,000
Polk	15,500	3,600	2,600	19,000	3,000	15,000
Tillamook	39,500	1,200	22,100	400	200	—
Washington	17,500	3,600	6,000	2,800	11,000	6,000
Yamhill	22,000	5,400	5,200	9,000	11,500	50,000
TOTAL	274,200	71,500	67,810	174,500	61,900	2,584,000
NORTHCENTRAL:						
Gilliam	19,000	10,000	—	300	1,500	—
Hood River	1,900	700	160	500	300	1,000
Morrow	62,000	18,500	300	21,000	1,000	1,000
Sherman	7,800	3,800	—	100	100	125,000
Wasco	23,000	11,000	—	700	3,500	1,000
TOTAL	113,700	44,000	460	22,600	6,400	128,000
NORTHEAST:						
Baker	96,000	41,000	2,000	5,600	400	1,000
Umatilla	83,000	33,000	400	28,000	14,500	2,000
Union	36,000	14,000	500	3,500	4,500	2,000
Wallowa	54,000	24,000	—	7,500	1,300	—
TOTAL	269,000	112,000	2,900	44,600	20,700	5,000
SOUTHWEST:						
Coos	25,000	9,000	5,700	34,000	300	3,000
Curry	6,100	3,900	300	28,000	100	1,000
Douglas	43,000	19,000	400	93,000	1,000	5,000
Jackson	28,000	11,000	1,400	8,000	2,000	220,000
Josephine	11,000	2,900	3,300	2,800	800	30,000
TOTAL	113,100	45,800	11,100	165,800	4,200	259,000
SOUTHEAST:						
Crook	46,000	22,000	280	3,800	700	1,000
Deschutes	18,000	8,700	1,000	6,000	1,100	3,000
Grant	52,000	25,500	100	3,000	500	2,000
Harney	110,000	65,000	100	3,800	400	—
Jefferson	18,000	7,500	50	7,500	1,400	1,000
Klamath	95,000	43,000	3,600	23,000	400	65,000
Lake	100,000	54,000	—	3,000	300	—
Malheur	162,000	64,000	6,600	15,000	1,800	2,000
Wheeler	19,000	10,000	—	2,400	200	—
TOTAL	620,000	299,700	11,730	67,500	6,800	74,000
STATE TOTAL	1,390,000	573,000	94,000	475,000	100,000	3,050,000

[1] Preliminary county estimates from Extension Economic Information Office, Oregon State University, adjusted to Oregon Agricultural Statistics Service state estimates.
[2] Average number during year.
[3] December 1 preceding year.

Commercial Fishing in Oregon

1989 Year in Review

Oregon commercial fishermen set an all-time harvest record in 1989, landing more than 165 million pounds of seafood valued at slightly more than $77 million. This represents the highest tonnage ever produced by Oregon fishermen. This record was led by production of groundfish, shrimp and Dungeness crab which all experienced record or near record harvests. Salmon suffered declines in both production tonnage and value.

Clatsop County continues to be Oregon's leading commercial fishing county, receiving 31% of the state's total tonnage of seafood landings. Curry County saw a nearly doubling of its state's landing share from 7% in 1988 to 13% in 1989. Other port counties saw stable landing share.

Commercial Species Harvested

Groundfish

In 1989 groundfish (rockfish, flatfish and roundfish), represented the single largest segment of Oregon's fishing industry. Half (49%) of all Oregon tonnage landed is groundfish, comprising 34% of the total value landed in Oregon. Groundfish is harvested primarily by net trawls, hook and line and traps or pots.

Shrimp

Oregon catches of Pacific pink shrimp approached all time record highs in 1989, with a harvest of 49.2 million pounds. However the 1989 total value of $18 million was up only slightly from 1988. As with most Oregon seafood products Pacific pink shrimp compete with seafood produced elsewhere. In 1989 world shrimp supplies for both farm-raised and wild-caught shrimp were stable resulting in slightly lower shrimp prices.

Salmon

Values for Oregon salmon landings — both King (Chinook) and Coho (Silver) — declined dramatically in 1989 to $14 million. This was down more than $25 million from 1988's record year of $39 million. This decline in value was due to lower Oregon catches coupled with a collapse in the prices paid to fishermen for salmon. This price collapse appears to be a result of an oversupply of farmed and wild salmon on world markets.

Dungeness Crab

Dungeness crab posted record values for 1989 with total landings of 11.7 million pounds worth $13.5 million. Dungeness crab prices have trended higher in recent years as the product finds greater demand in new markets, particularly in Europe and the Pacific Basin. Crab landings are subject to yearly cyclical fluctuations, but through effective managment the resource should continue to be a stable contributor to Oregon's coastal economy.

Other species

Higher landings of miscellaneous species were due largely to increased harvests of sea urchins. Nearly all of Oregon's sea urchin was exported to Japan where its processed roe is considered a delicacy. The sea urchin fishery has experienced a dramatic increase — from no more than 55 thousand pounds in 1986—to nearly 8 million pounds in 1989. State fishery resource managers feel this current level approaches a sustainable maximum harvest, so continued dramatic increases in the size of the urchin harvest in Oregon are not expected.

Aquaculture and Mariculture

Oregon's aquaculture and mariculture industries operate in two major areas: private firms producing pond-reared salmon and trout, and oyster growing on state leased lands.

Trout and salmon production is conducted in areas where rearing-ponds have abundant supplies of cool, fresh water. Some producers are raising a "salmon-trout", which is a rainbow trout raised to 1-3 pounds and fed a special diet that turns the white flesh a characteristic salmon-orange color to resemble salmon. Other Oregon producers specialize in raising pan-sized true Coho (silver) salmon for the retail market.

Oyster production in Oregon remains fairly stable with about 40 thousand gallons produced in 1989. The value of this production in 1989 increased 18% to over $1 million. Oysters are produced commercially in four Oregon estuaries with Tillamook bay producing more than 60% of the state's total.

Table 1

ALL LANDINGS: Production, by Fishery Group, Oregon, 1970-1989

Year	Salmon[1]	Crab	Shrimp	Tuna[2]	Groundfish[3]	Other[4]	Total
	Pounds Round Weight						
1970	19,627,898	14,929,347	13,572,174	26,936,875	21,392,381	1,199,885	97,658,560
1971	17,267,822	14,875,849	9,075,006	13,092,167	22,039,881	1,036,484	77,387,209
1972	12,189,358	6,762,259	20,731,151	29,233,715	22,801,367	1,170,119	92,887,969
1973	17,385,138	2,349,645	24,517,194	24,425,485	21,944,140	916,847	91,538,449
1974	15,098,732	3,917,625	20,313,760	33,039,926	22,097,723	1,137,016	95,604,782
1975	12,389,656	4,026,937	24,083,568	23,584,409	21,023,739	937,426	86,045,735
1976	16,277,770	8,134,065	25,456,007	17,349,410	26,929,976	1,312,685	95,459,913
1977	10,774,388	19,902,419	48,580,070	9,898,921	23,365,634	1,835,397	114,356,829
1978	8,779,792	12,502,137	56,666,109	18,397,673	37,056,208	1,384,668	134,786,587
1979	11,129,143	15,634,210	29,586,586	8,820,586	64,429,897	2,267,311	131,867,733
1980	7,243,387	18,652,423	30,152,030	3,505,721	63,661,111	1,292,574	124,507,246
1981	7,040,900	6,984,032	25,923,589	7,726,890	82,502,220	18,046,821	148,224,452
1982	8,637,911	7,035,812	18,461,988	1,913,643	90,690,217	2,943,780	129,683,351
1983	2,672,501	5,368,105	6,547,073	3,410,606	78,151,779	4,210,898	100,360,962
1984	3,598,440	5,286,491	4,843,571	1,630,948	63,245,014	5,566,530	84,170,994
1985	6,577,333	7,517,932	14,990,144	1,524,601	64,656,115	4,337,060	99,603,185
1986	13,796,960	4,665,538	34,034,577	2,461,368	56,147,278	2,716,707	113,822,428
1987[r]	15,091,783	5,996,335	44,707,315	2,288,058	68,228,581	2,321,495	138,633,567
1988[r]	17,786,004	9,421,799	41,983,894	3,967,274	71,345,106	3,796,543	148,300,620
1989[p]	11,726,990	11,684,352	49,212,463	1,087,477	82,024,873	9,865,350	165,601,505

Source: Pounds and values of commercially caught fish and shellfish landed in Oregon, Oregon Department of Fish and Wildlife, Portland, Oregon.
[1] Salmon includes landings of steelhead which have come exclusively from the Treaty Indians since 1975.
[2] Tuna includes primarily landings of albacore since 1980.
[3] Groundfish includes landings of rockfish (snapper), soles, flounders, cods and sablefish (black cod).
[4] Other includes landings of sturgeon, shad, smelt, clams, scallops, squid, crayfish and other miscellaneous species.
[r] Revised; [p] Preliminary.

Table 2

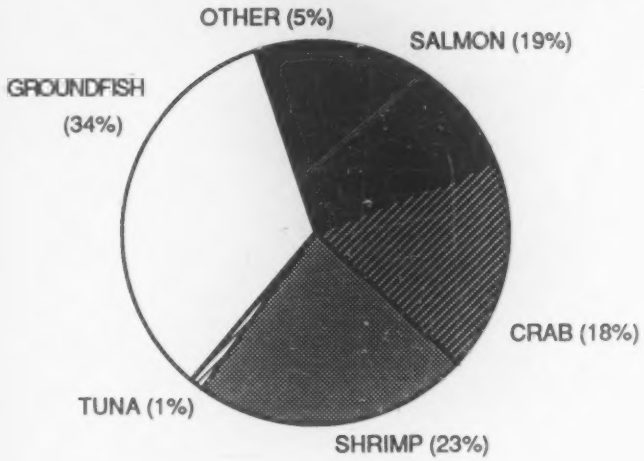
ALL LANDINGS: Ex-vessel Value[5], by Fishery Group, Oregon, 1970-1989

Year	Salmon[1]	Crab	Shrimp	Tuna[2]	Groundfish[3]	Other[4]	Total
	Thousand Dollars						
1970	9,144	3,732	1,629	6,924	1,605	204	23,238
1971	5,745	4,245	1,110	3,628	1,812	206	16,746
1972	6,412	2,866	2,870	9,136	2,166	208	23,658
1973	14,150	1,340	5,394	8,698	2,623	228	32,433
1974	10,531	2,761	4,420	12,571	3,234	197	33,714
1975	9,851	3,221	3,237	7,500	2,974	242	27,025
1976	19,358	5,288	5,091	5,661	4,302	468	40,168
1977	15,672	10,900	11,200	2,564	4,900	591	45,827
1978	11,711	9,599	14,904	10,320	8,026	416	54,976
1979	20,947	11,627	11,340	4,656	17,405	919	66,894
1980	10,533	12,375	16,683	2,746	11,601	622	54,560
1981	11,095	6,712	13,043	6,678	14,717	5,312	57,557
1982	12,415	7,551	9,289	1,266	20,317	1,312	52,150
1983	3,040	7,947	4,656	1,881	18,965	1,659	38,148
1984	5,128	7,914	2,148	885	16,034	2,256	34,365
1985	9,069	10,789	5,503	814	17,731	1,909	45,815
1986	15,192	6,592	18,464	920	18,581	1,979	61,728
1987[r]	27,022	8,357	30,508	1,675	25,204	1,965	94,731
1988[r]	39,073	11,285	17,346	3,327	24,689	2,128	97,848
1989[p]	14,269	13,574	18,099	894	26,496	4,046	77,378

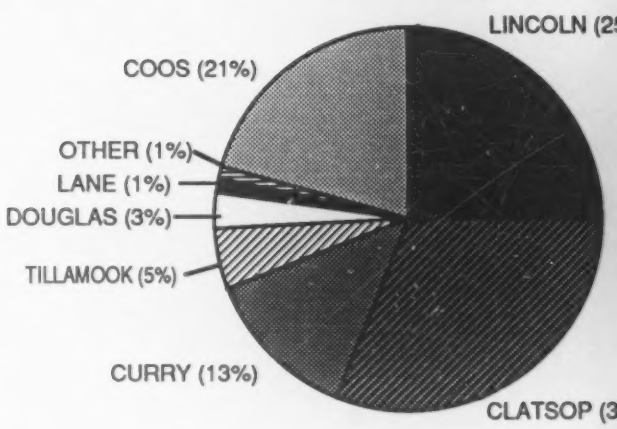
[1] Salmon includes landings of steelhead which have come exclusively from the Treaty Indians since 1975.
[2] Tuna includes primarily landings of albacore since 1980.
[3] Groundfish includes landings of rockfish (snapper), soles, flounders, cods and sablefish (black cod).
[4] Other includes landings of sturgeon, shad, smelt, clams, scallops, squid, crayfish and other miscellaneous species.
[5] Ex-vessel value is the revenue amount received by fishermen at the dock for their catch.
[r] Revised; [p] Preliminary.

SOURCE: Pounds and Values of Commercially Caught Fish and Shellfish Landed in Oregon, Oregon Department of Fish and Wildlife, Portland, Oregon.

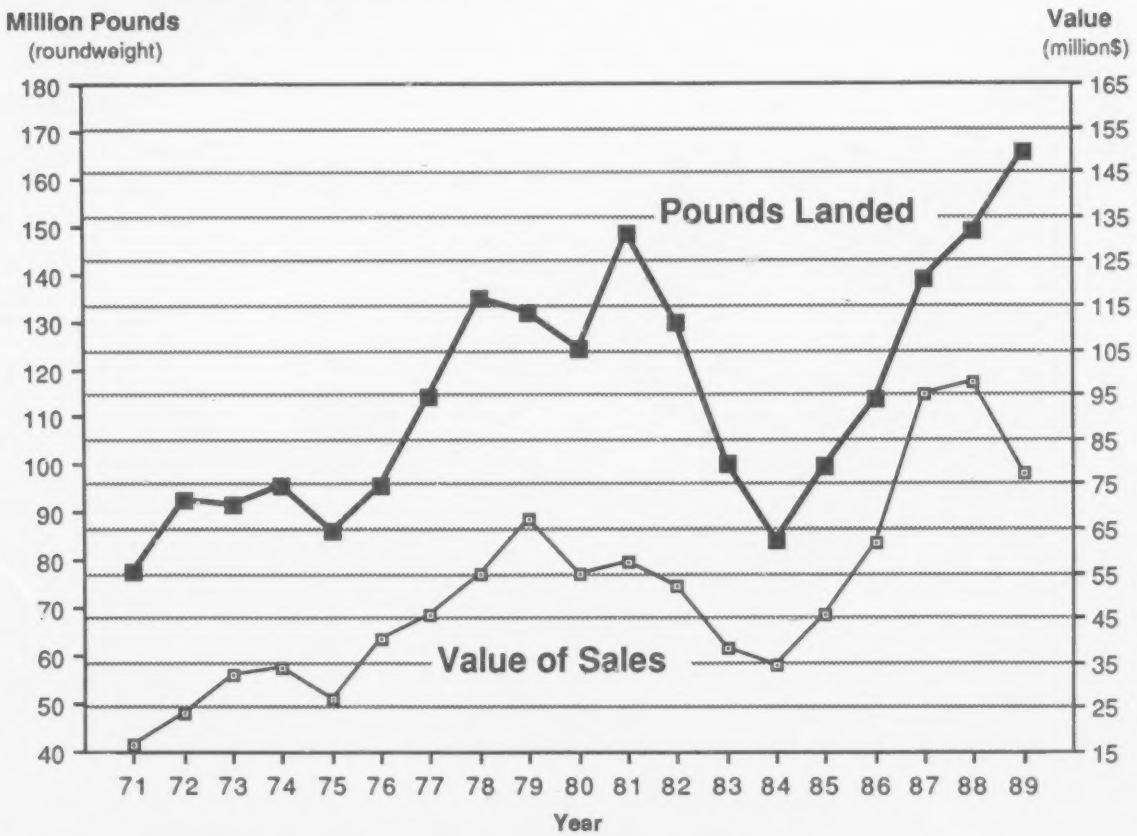
VALUE BY FISHERY GROUP: 1989
PERCENT OF TOTAL



VALUE BY COUNTY: 1989
PERCENT OF TOTAL



OREGON COMMERCIAL FISHERIES
ALL LANDINGS: Production and Ex-vessel Value, 1971-1989



Source: Pounds and Values of Commercially Caught Fish and Shellfish landed in Oregon, Oregon Department of Fish and Wildlife, Portland, Oregon

Table 3

ALL LANDINGS: Value, by County and Species Group, 1987-1989

	Clatsop	Tillamook	Lincoln	Lane	Douglas	Coos	Curry	Other Counties	Total
	1,000 Dollars								
SALMON:									
1987	10,432	1,712	3,450	1,066	1,271	6,977	2,089	25	27,022
% of Total	38	6	13	4	5	26	8	0	100
1988	17,200	2,843	7,211	1,253	1,498	6,612	2,035	421	39,073
% of Total	44	7	18	3	4	17	5	2	100
1989	4,479	1,277	2,334	376	915	3,719	1,110	59	14,269
% of Total	31	9	16	3	6	26	8	1	100
CRAB:									
1987	1,908	429	2,585	341	744	1,064	1,227	59	8,357
% of Total	23	5	31	4	9	13	15	0	100
1988	3,173	497	3,752	500	860	988	1,497	18	11,285
% of Total	28	4	33	4	8	9	13	1	100
1989	4,554	652	3,344	324	799	1,777	2,094	30	13,574
% of Total	34	5	25	2	6	13	15	0	100
SHRIMP:									
1987	13,050	2,770	7,891	7	18	5,311	1,302	159	30,508
% of Total	43	9	26	0	0	17	4	1	100
1988	4,495	1,451	5,544	0	18	4,307	1,348	183	17,346
% of Total	26	8	32	0	0	25	8	1	100
1989	3,703	880	6,705	0	27	4,817	1,812	155	18,099
% of Total	20	5	37	0	0	27	10	1	100
TUNA:									
1987	359	11	895	10	60	284	50	6	1,675
% of Total	21	1	53	1	4	17	3	0	100
1988	465	22	1,882	26	117	800	13	2	3,327
% of Total	14	1	56	1	4	24	0	0	100
1989	342	0	264	5	81	183	19	0	894
% of Total	38	0	30	1	9	20	2	0	100
GROUNDFISH & OTHER:									
1987	9,925	526	7,591	267	480	6,355	1,475	550	27,169
% of Total	37	2	28	1	2	23	5	2	100
1988	10,035	1,179	6,684	421	399	5,971	2,063	65	26,817
% of Total	38	4	25	2	1	22	8	0	100
1989	11,058	1,222	6,581	298	205	6,094	4,666	418	30,542
% of Total	36	4	22	1	1	20	15	1	100
COUNTY TOTAL:									
1987	35,674	5,448	22,412	1,691	2,573	19,991	6,143	799	94,731
% of Total	38	6	23	2	3	21	6	1	100
1988	35,368	5,992	25,073	2,200	2,892	18,678	6,956	689	97,848
% of Total	36	6	26	2	3	19	7	1	100
1989	24,136	4,031	19,228	1,003	2,027	16,590	9,701	662	77,378
% of Total	31	5	25	1	3	21	13	1	100

Table 4

ALL LANDINGS: Production and Value by Species, Oregon, 1987-1989

Species	1987		1988		1989	
	Pounds	Value	Pounds	Value	Pounds	Value
SALMON						
Chinook	11,482,797	21,496,898	11,741,177	26,842,749	7,614,111	10,663,059
Coho	3,058,254	4,911,333	5,697,737	11,710,396	3,836,321	3,454,270
Pink	100,463	69,432	12	10	20,288	13,108
Sockeye	124,037	186,607	65,036	126,280	59	30
Other	326,232	357,621	282,042	393,386	256,211	138,607
Total	15,091,783	27,021,891	17,786,004	39,072,821	11,726,990	14,269,074
CRAB						
Dungeness	5,990,869	8,351,876	9,414,002	11,276,976	11,679,879	13,569,605
Other	5,466	5,573	7,797	7,842	4,473	4,148
Total	5,996,335	8,357,449	9,421,799	11,284,818	11,684,352	13,573,753
SHRIMP						
Pacific Pink	44,589,472	30,272,202	41,846,202	17,149,670	49,074,265	17,888,298
Other	117,843	235,436	137,692	196,135	138,198	210,507
Total	44,707,315	30,507,638	41,983,894	17,345,805	49,212,463	18,098,805
TUNA						
Albacore	2,288,045	1,675,345	3,967,120	3,327,289	1,087,477	893,796
Other	13	9	154	65	N/A	N/A
Total	2,288,058	1,675,354	3,967,274	3,327,354	1,087,477	893,796
GROUNDFISH						
Rockfish	32,276,745	10,607,450	33,401,305	9,678,166	40,587,908	11,385,246
Sole	17,704,866	6,892,297	21,319,452	7,936,355	24,198,545	8,224,404
Sablefish (black cod)	11,551,670	5,084,185	8,999,796	4,349,970	8,703,621	3,833,783
Cod	3,058,518	1,084,276	4,497,693	1,422,924	4,310,697	1,319,140
Flounder	1,849,953	313,616	1,759,730	307,195	2,949,241	375,887
Hake	402,713	33,054	543,196	41,183	195,914	14,817
Halibut	916,022	1,017,882	582,020	873,846	916,024	1,301,947
Pacific Sanddab	468,094	171,223	241,914	79,358	162,923	41,370
Total	68,228,581	25,203,983	71,345,106	24,688,997	82,024,873	26,496,594
OTHER SPECIES						
Scallop	13,590	6,406	29,226	12,017	220	10
Smelt	48,725	12,357	58,971	12,286	34,120	7,562
Sturgeon	495,883	748,926	289,069	456,555	211,190	390,478
Crayfish	357,870	499,459	299,013	415,895	238,134	318,201
Herring	493,788	236,438	355,890	234,041	546,391	267,457
Clams	75,480	89,111	78,693	110,425	92,861	121,583
American Shad	365,482	72,841	393,621	93,575	194,516	73,650
Mussels	52,310	27,432	53,220	20,699	68,821	23,091
Shark (all varieties)	123,045	170,931	93,163	138,170	4,286	3,672
Sea Urchin	202,799	51,360	1,970,963	571,083	7,842,628	2,728,263
Other misc. species	92,523	49,765	174,714	63,501	632,183	112,284
Total	2,321,495	1,965,026	3,796,543	2,128,247	9,865,350	4,046,251
STATE TOTAL	138,633,567	94,731,341	148,300,620	97,848,042	165,601,505	77,378,273

SOURCE: Pounds and Values of Commercially Caught Fish and Shellfish landed in Oregon, Oregon Department of Fish and Wildlife, Portland, Oregon.

Table 5

OYSTER PRODUCTION: Pacific Oysters Harvested by Estuary, 1970-1989

Year	Tillamook Bay	Yaquina Bay	Coos Bay	Netarts Bay	Totals
			(In Gallons)*		
1970	26,609	4,868	1,969	14	33,460
1971	28,232	3,366	26	0	31,624
1972	14,466	2,861	866	0	18,193
1973	14,030	5,466	1,613	0	21,109
1974	16,407	5,080	1,741	61	23,289
1975	15,926	6,245	1,576	9	23,756
1976	12,559	3,938	1,069	0	17,566
1977	20,678	5,725	1,384	20	27,807
1978	20,166	6,214	3,196	16	29,592
1979	15,665	8,104	3,985	0	27,754
1980	18,912	6,240	4,135	60	29,347
1981	22,575	6,582	4,667	40	33,864
1982	26,167	7,713	3,164	0	37,044
1983	21,330	6,423	3,139	0	30,892
1984	30,916	7,211	9,834	6	47,967
1985	21,202	10,911	5,264	40	37,417
1986	21,327	12,353	3,663	30	37,373
1987	23,930	12,798	3,942	36	40,706
1988	24,084	11,766	3,508	41	39,399
1989	26,052	9,622	4,115	216	40,005
Total					628,164

*One bushel of Pacific oysters yields approximately one gallon of oyster meats.
SOURCE: Oregon Department of Agriculture and Oregon Department of Fish and Wildlife.

Table 5A

OYSTER PRODUCTION: Pacific Oysters Harvested by Estuary, 1989

Estuary	Production				Value of Production[3]	Fees Collected by Leases
	Acres[1]	Gallons Shucked	Bushels Raw	Total Gallons[2]		
					Dollars	Dollars
Coos Bay	140.32	1,525	255	1,780	47,170	368
South Slough	99.72	2,145	190	2,335	61,878	316
Netarts	191.43	76	140	216	5,724	393
Tillamook	2,478.84	25,758	294	26,052	690,378	6,251
Umpqua	293.00	0	0	0	0	198
Yaquina	519.00	7,492	2,130	9,622	254,983	1,383
TOTAL	3,722.31	36,996	3,009	40,005	1,060,133	8,908

Source: Plant Division, Oregon Department of Agriculture.
[1] Acres leased from the State of Oregon for oyster cultivation.
[2] Traditionally, one bushel of Pacific oysters will yield approximately one gallon of oyster meats. Total production is expressed as the sum of gallons and bushels for comparative purposes.
[3] 1989 oyster price used in computing value is $26.50 per gallon.

FOR MORE INFORMATION ON OYSTER LEASES IN OREGON CONTACT:
Natural Resources Division, Oregon Department of Agriculture, 635 Capitol Street NE, Salem, Oregon 97310-0110, phone: 503-378-3810

Table 6

AQUACULTURE AND MARICULTURE: Value of Production, 1989

	FISH VALUE
	Dollars
Private Salmon Hatcheries	4,095,314
Trout Production *	1,408,000
Other Fish Production	11,234
Oyster Production	1,060,133
Total Value	6,574,680

SOURCE: Oregon Department of Agriculture
Oregon Department of Fish and Wildlife
*Oregon Agricultural Statistics Service

Table 7

VITAL STATISTICS: Oregon Commercial Fishing Industry, 1989

7,345	Licensed Commercial Fishermen
3,506	Individual Commercial Boat Licenses
2,572	Troll Salmon Fishing Permits
356	Gillnet Salmon Fishing Permits
211	Shrimp Fishing Permits
105	Scallop Permits
55	Albacore Tuna Landing Permits
92	Sea Urchin Harvesting Permits
113	Licensed Bait Fishing
71	Licensed Bait Dealers
7	Licensed Fish Canners
2	Licensed Shellfish Canners
188	Commercial/Wholesale Fish Dealers
6	Licensed Private Hatcheries
400	Approximate Miles of Oregon Coastline
450	Approximate Miles of Columbia River Shoreline
8th	Oregon's Rank in United States Commercial Fish Landings (of 31 U.S. states reporting commercial landings)
2.79 million	Oregon Statewide Population
83	Approximate Number of Commercially Valuable Species
State Fish	Chinook Salmon (Oncorhynchus tshawytscha) also called king, spring, and tyee salmon
Oregon Aquaculture Species	Salmon, Rainbow Trout, Sturgeon, Pacific Oysters
15.9 lbs.	United States Domestic Per Capita Consumption of Seafood
5th	United States Rank in World Commercial Fisheries
Major Commercial Ports	Astoria, Tillamook, Pacific City, Depoe Bay, Newport, Florence, Winchester Bay, Coos Bay, Bandon, Port Orford, Gold Beach, Brookings

COUNTY EXTENSION SERVICE OFFICES

County	Address	Phone
BAKER	2610 Grove Street, Baker 97814	523-6418, Ext. 230
BENTON	2720 NW Polk, Corvallis 97330	757-6750
CLACKAMAS	200 Warner-Milne Rd., Oregon City 97045	655-8631
CLATSOP	2050 Marine Dr., PO Box 207, Astoria 97103	325-8573
COLUMBIA	Courthouse, St. Helens 97051	397-3462
COOS	Courthouse Annex, 290 North Central, Coquille 97423	396-3121, Ext. 246
CROOK	Courthouse, Prineville 97754	447-6228
CURRY	950 S Ellensburg, PO Box 488, Gold Beach 97444	247-6672
DESCHUTES	1421 S. Hwy. 97, PO Box 756, Redmond 97756	548-6088
DOUGLAS	1134 SE Douglas Ave., PO Box 1165, Roseburg 97470,	672-4461
GILLIAM	Courthouse, PO Box 707, Condon 97823	384-2271
GRANT	Courthouse, PO Box 69, Canyon City 97820	575-1911
HARNEY	Courthouse, 450 N. Buena Vista, Burns 97720	573-2506
HOOD RIVER	2990 Exp. Station Dr., Hood River 97031	386-3343
JACKSON	1301 Maple Grove Drive, Medford 97501	776-7371
JEFFERSON	Old Courthouse, 530 D St., Madras 97741 Tribal Office Building PO Box 430, Warm Springs 97761	475-3808 553-3238
JOSEPHINE	215 Ringuette St., Grants Pass 97527	476-6613
KLAMATH	3328 Vandenberg Rd., Klamath Falls 97603	883-7131
LAKE	Courthouse, Lakeview 97630	947-6054
LANE	950 W. 13th Ave., Eugene 97402	687-4243
LINCOLN	Courthouse, 29 SE 2nd Street, Newport 97365	265-6611, Ext. 207
LINN	4th & Lyons, PO Box 765, Albany 97321	967-3871
MALHEUR	710 SW Fifth, Ontario 97914	881-1417
MARION	3180 Center St. NE, Room 160, Salem 97301	588-5301
MORROW	Gilliam & Bisbee Bldg., PO Box 397, Heppner 97836	676-9642
MULTNOMAH	211 SE 80th St., Portland 97215	254-1500
POLK	288 E. Ellendale, PO Box 640, Dallas 97338	623-8395
SHERMAN	Courthouse, PO Box 385, Moro 97039	565-3230
TILLAMOOK	2204 Fourth Street, Tillamook 97141	842-3433
UMATILLA	721 SE 3rd, Suite 3, Pendleton 97801 Columbia Basin Agricultural Research Center PO Box 105, Hermiston 97838 418 N. Main Street, PO Box E, Milton-Freewater 97862	276-7111, Ext. 235 567-8321 938-5597
UNION	10507 N McAlister Rd., La Grande 97850	963-1010
WALLOWA	Courthouse, PO Box 280, Enterprise 97828	426-3143
WASCO	400 E. 5th, Courthouse Annex A, The Dalles 97058	296-5494
WASHINGTON	Branch Co. Office Bldg., 2448 Tualatin Valley Hwy. Courthouse, Hillsboro 97124	 681-7016
WHEELER	Courthouse, PO Box 407, Fossil 97830	763-4115
YAMHILL	2050 Lafayette St., McMinnville 97128	434-7517